



Exchange rate statistics

July 2023

Statistical Series

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Abbreviations and symbols

CU	Currency unit(s)
EC	European Community
ECB	European Central Bank
ECU	European Currency Unit
EER	Effective exchange rate
ERM	Exchange Rate Mechanism
EU	European Union
IMF	International Monetary Fund
ISO	International Organization for Standardization
SDR	Special drawing right
SITC	Standard International Trade Classification
SWIFT	Society for Worldwide Interbank Financial Telecommunication
B	Buying rate
M	Middle rate
S	Selling rate
V	Calculated value
e	Estimated
p	Provisional
r	Revised
.	Data unknown, not to be published or not meaningful
–	Nil

Discrepancies in the totals are due to rounding.

I. Euro area and exchange rate stability convergence criterion

1. Euro area countries and irrevocable euro conversion rates in the third stage of Economic and Monetary Union

From	Country	Currency	ISO currency code	EUR 1 = CU ...	Council Regulation (EU) No 1	
1999 January 1	Austria	Austrian schilling	ATS	13.7603	2866/98	
	Belgium	Belgian franc	BEF	40.3399	2866/98	
	Finland	Finnish markka	FIM	5.94573	2866/98	
	France	French franc	FRF	6.55957	2866/98	
	Germany	Deutsche Mark	DEM	1.95583	2866/98	
	Ireland	Irish pound	IEP	0.787564	2866/98	
	Italy	Italian lira	ITL	1,936.27	2866/98	
	Luxembourg	Luxembourg franc	LUF	40.3399	2866/98	
	Netherlands	Dutch guilder	NLG	2.20371	2866/98	
	Portugal	Portuguese escudo	PTE	200.482	2866/98	
	Spain	Spanish peseta	ESP	166.386	2866/98	
	2001 January 1	Greece	Greek drachma	GRD	340.750	1478/2000
	2007 January 1	Slovenia	Slovenian tolar	SIT	239.640	1086/2006
	2008 January 1	Cyprus	Cyprus pound	CYP	0.585274	1135/2007
Malta		Maltese lira	MTL	0.429300	1134/2007	
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260	694/2008	
2011 January 1	Estonia	Estonian kroon	EEK	15.6466	671/2010	
2014 January 1	Latvia	Latvian lats	LVL	0.702804	870/2013	
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280	851/2014	
2023 January 1	Croatia	Croatian kuna	HRK	7.53450	1208/2022	

1 The EU regulations can be found at <http://eur-lex.europa.eu>

2. Central rates and intervention rates in Exchange Rate Mechanism II *

Country Currency ISO currency code	Type of rate	EUR 1 = CU ...							
		From ...							
		1 Jan. 1999	17 Jan. 2000	28 June 2004	2 May 2005	28 Nov. 2005	19 Mar. 2007	29 May 2008	13 July 2020
Denmark	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
Danish krone	Central rate	¹ 7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
DKK	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Bulgaria	Upper rate	–	–	–	–	–	–	–	2.24920
Bulgarian lev	Central rate	–	–	–	–	–	–	–	² 1.95583
BGN	Lower rate	–	–	–	–	–	–	–	1.66246
Greece	Upper rate	406.075	³ 391.863	–	–	–	–	–	–
Greek drachma	Central rate	¹ 353.109	³ 340.750	–	–	–	–	–	–
GRD	Lower rate	300.143	289.638	–	–	–	–	–	–
Estonia	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936	–
Estonian kroon	Central rate	–	–	15.6466	15.6466	15.6466	15.6466	⁴ 15.6466	–
EEK	Lower rate	–	–	13.2996	13.2996	13.2996	13.2996	13.2996	–
Lithuania	Upper rate	–	–	3.97072	3.97072	3.97072	3.97072	3.97072	–
Lithuanian litas	Central rate	–	–	3.45280	3.45280	3.45280	3.45280	⁵ 3.45280	–
LTL	Lower rate	–	–	2.93488	2.93488	2.93488	2.93488	2.93488	–
Slovenia	Upper rate	–	–	275.586	275.586	275.586	–	–	–
Slovenian tolar	Central rate	–	–	239.640	239.640	⁶ 239.640	–	–	–
SIT	Lower rate	–	–	203.694	203.694	203.694	–	–	–
Cyprus	Upper rate	–	–	–	0.673065	0.673065	0.673065	–	–
Cyprus pound	Central rate	–	–	–	0.585274	0.585274	⁷ 0.585274	–	–
CYP	Lower rate	–	–	–	0.497483	0.497483	0.497483	–	–
Latvia	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225	–
Latvian lats	Central rate	–	–	–	0.702804	0.702804	0.702804	⁸ 0.702804	–
LVL	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383	–
Malta	Upper rate	–	–	–	0.493695	0.493695	0.493695	–	–
Maltese lira	Central rate	–	–	–	0.429300	0.429300	⁷ 0.429300	–	–
MTL	Lower rate	–	–	–	0.364905	0.364905	0.364905	–	–
Slovakia	Upper rate	–	–	–	–	44.2233	40.7588	34.6449	–
Slovak koruna	Central rate	–	–	–	–	38.4550	35.4424	⁹ 30.1260	–
SKK	Lower rate	–	–	–	–	32.6868	30.1260	25.6071	–
Croatia	Upper rate	–	–	–	–	–	–	–	8.66468
Croatian kuna	Central rate	–	–	–	–	–	–	–	¹⁰ 7.53450
HRK	Lower rate	–	–	–	–	–	–	–	6.40433

Source: ECB. * One prerequisite before an EU Member State can join the euro area is that its currency must have observed the normal fluctuation margins of Exchange Rate Mechanism II (the standard fluctuation band is $\pm 15\%$) for at least two years without devaluing against the euro. The Danish krone has a fluctuation band of $\pm 2.25\%$ on either side of the central rate. ¹ According to the EU communiqué of 31 December 1998. ² According to the EU communiqué of 10 July 2020. ³ Until 31 December 2000; accession to the euro area on 1 January 2001. ⁴ Until 31 December 2010; accession to

the euro area on 1 January 2011. ⁵ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁶ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁷ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁸ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁹ Until 31 December 2008; accession to the euro area on 1 January 2009. ¹⁰ Until 31 December 2022; accession to the euro area on 1 January 2023.

II. Euro foreign exchange reference rates of the European Central Bank *

1. End-of-month and daily rates

EUR 1 = CU ...

Period		EU member countries							
		Bulgaria	Croatia ¹	Czechia	Denmark	Hungary	Poland	Romania	Sweden
		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2022	June	1.9558	7.5307	24.739	7.4392	397.04	4.6904	4.9464	10.7300
	July	1.9558	7.5180	24.610	7.4438	404.80	4.7375	4.9343	10.3875
	Aug.	1.9558	7.5148	24.550	7.4371	402.80	4.7283	4.8595	10.6788
	Sep.	1.9558	7.5240	24.549	7.4365	422.18	4.8483	4.9490	10.8993
	Oct.	1.9558	7.5310	24.488	7.4444	409.65	4.7085	4.9143	10.9010
	Nov.	1.9558	7.5490	24.338	7.4366	408.40	4.6635	4.9245	10.9345
	Dec.	1.9558	7.5365	24.116	7.4365	400.87	4.6808	4.9495	11.1218
2023	Jan.	1.9558	–	23.792	7.4388	390.91	4.7090	4.9210	11.3480
	Feb.	1.9558	–	23.497	7.4443	377.68	4.7125	4.9200	11.0780
	Mar.	1.9558	–	23.492	7.4485	379.50	4.6700	4.9490	11.2805
	Apr.	1.9558	–	23.502	7.4538	373.78	4.5815	4.9301	11.3515
	May	1.9558	–	23.741	7.4480	370.85	4.5368	4.9695	11.6278
	June	1.9558	–	23.742	7.4474	371.93	4.4388	4.9635	11.8055
2023	June 19	1.9558	–	23.778	7.4498	374.40	4.4570	4.9588	11.6943
	20	1.9558	–	23.756	7.4491	372.55	4.4463	4.9629	11.7580
	21	1.9558	–	23.763	7.4479	369.90	4.4328	4.9625	11.7563
	22	1.9558	–	23.683	7.4486	369.43	4.4253	4.9631	11.7224
	23	1.9558	–	23.654	7.4485	369.90	4.4238	4.9538	11.6750
	26	1.9558	–	23.649	7.4458	369.10	4.4363	4.9561	11.6825
	27	1.9558	–	23.609	7.4474	368.50	4.4283	4.9610	11.7405
	28	1.9558	–	23.683	7.4469	371.73	4.4763	4.9604	11.7950
	29	1.9558	–	23.686	7.4476	370.90	4.4485	4.9638	11.8175
	30	1.9558	–	23.742	7.4474	371.93	4.4388	4.9635	11.8055
July	3	1.9558	–	23.711	7.4468	375.03	4.4385	4.9532	11.8330
	4	1.9558	–	23.695	7.4479	375.39	4.4215	4.9485	11.8120
	5	1.9558	–	23.775	7.4482	378.40	4.4558	4.9515	11.8295
	6	1.9558	–	23.839	7.4493	382.95	4.4753	4.9504	11.9045
	7	1.9558	–	23.945	7.4515	388.33	4.4838	4.9557	11.9075
	10	1.9558	–	23.843	7.4512	382.65	4.4508	4.9490	11.8745
	11	1.9558	–	23.855	7.4529	379.50	4.4563	4.9490	11.7600
	12	1.9558	–	23.828	7.4524	376.48	4.4473	4.9495	11.6800
	13	1.9558	–	23.752	7.4523	375.15	4.4323	4.9433	11.5100
	14	1.9558	–	23.777	7.4484	374.55	4.4490	4.9439	11.4930

Period		Other European and non-European countries							
		Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
		Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2022	June	1.5099	5.4229	1.3425	6.9624	8.1493	138.90	82.1130	15,552.00
	July	1.4646	5.2739	1.3100	6.8705	8.0054	138.30	80.8820	15,155.56
	Aug.	1.4591	5.1482	1.3111	6.8947	7.8488	141.70	79.5465	14,849.93
	Sep.	1.5076	5.2584	1.3401	6.9368	7.6521	140.90	79.4250	14,863.26
	Oct.	1.5529	5.2694	1.3553	7.2380	7.7822	143.30	82.1035	15,489.55
	Nov.	1.5425	5.5063	1.4021	7.3437	8.0944	147.10	84.4215	16,271.81
	Dec.	1.5693	5.6386	1.4440	7.3582	8.3163	151.50	88.1710	16,519.82
2023	Jan.	1.5476	5.5373	1.4570	7.3198	8.4898	153.10	88.6360	16,282.57
	Feb.	1.5760	5.5280	1.4411	7.3663	8.3351	152.30	87.7205	16,193.42
	Mar.	1.6268	5.5158	1.4737	7.4763	8.5367	148.30	89.3995	16,300.19
	Apr.	1.6664	5.4872	1.4981	7.5979	8.6199	149.10	89.8555	16,111.90
	May	1.6497	5.4288	1.4582	7.5926	8.3696	149.70	88.3400	16,030.39
	June	1.6398	5.2788	1.4415	7.8983	8.5157	148.70	89.2065	16,384.54
2023	June 19	1.5964	5.2588	1.4411	7.8182	8.5379	149.10	89.5125	16,381.19
	20	1.6120	5.2376	1.4473	7.8462	8.5560	149.10	89.7525	16,410.11
	21	1.6154	5.2273	1.4435	7.8519	8.5510	148.30	89.5765	16,330.80
	22	1.6194	5.2331	1.4463	7.8866	8.5987	148.50	90.0300	16,425.99
	23	1.6285	5.2235	1.4380	7.8141	8.5216	148.90	89.2205	16,337.69
	26	1.6346	5.2177	1.4354	7.8972	8.5481	148.90	89.5565	16,438.22
	27	1.6369	5.2311	1.4408	7.8976	8.5782	148.90	89.7945	16,427.69
	28	1.6525	5.2940	1.4491	7.9262	8.5667	148.50	89.7465	16,398.98
	29	1.6480	5.3006	1.4503	7.9140	8.5713	149.10	89.7065	16,408.12
	30	1.6398	5.2788	1.4415	7.8983	8.5157	148.70	89.2065	16,384.54
July	3	1.6383	5.2083	1.4441	7.9007	8.5402	149.50	89.3225	16,412.60
	4	1.6286	5.2293	1.4403	7.8646	8.5314	149.10	89.3580	16,357.26
	5	1.6329	5.2933	1.4447	7.8798	8.5108	149.30	89.5175	16,380.93
	6	1.6308	5.2926	1.4489	7.8820	8.5239	148.30	89.8490	16,420.93
	7	1.6416	5.3527	1.4557	7.8773	8.5232	146.90	90.0465	16,521.26
	10	1.6488	5.3246	1.4552	7.9291	8.5783	147.30	90.4985	16,655.60
	11	1.6493	5.3679	1.4588	7.9143	8.6023	146.90	90.5655	16,678.24
	12	1.6479	5.3477	1.4574	7.9274	8.6268	146.90	90.7173	16,608.80
	13	1.6299	5.3747	1.4714	8.0098	8.7481	146.90	91.7935	16,727.49
	14	1.6350	5.3847	1.4728	8.0076	8.7694	146.90	92.1985	16,797.87

* See Explanatory notes, p. 48. **1** Accession to the euro area on 1 January 2023.

II. Euro foreign exchange reference rates of the European Central Bank *

1. End-of-month and daily rates (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)								
Period	Israel New shekel ILS	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP
2022 June	3.6392	141.54	1,351.60	4.5781	20.9641	1.6705	10.3485	57.150
July	3.4714	136.42	1,329.40	4.5386	20.6745	1.6283	9.8773	56.375
Aug.	3.3399	138.72	1,342.79	4.4755	20.2044	1.6322	9.9388	56.153
Sep.	3.4759	141.01	1,400.69	4.5201	19.6393	1.7177	10.5838	57.276
Oct.	3.4933	147.40	1,416.12	4.6873	19.7122	1.7099	10.3028	57.800
Nov.	3.5691	144.28	1,365.14	4.6147	20.0111	1.6634	10.2648	58.697
Dec.	3.7554	140.66	1,344.09	4.6984	20.8560	1.6798	10.5138	59.320
2023 Jan.	3.7675	141.27	1,338.90	4.6211	20.3961	1.6858	10.9083	59.192
Feb.	3.8821	145.23	1,401.84	4.7653	19.4480	1.7216	10.9713	58.760
Mar.	3.9284	144.83	1,420.26	4.7986	19.6392	1.7392	11.3940	59.050
Apr.	3.9939	149.35	1,470.89	4.8981	19.8182	1.7864	11.7910	60.923
May	3.9713	149.13	1,416.29	4.9307	18.9263	1.7793	12.0045	60.053
June	4.0486	157.16	1,435.88	5.0717	18.5614	1.7858	11.7040	60.082
2023 June 19	3.9408	154.94	1,400.93	5.0542	18.6768	1.7625	11.6335	60.883
20	3.9424	154.51	1,406.33	5.0729	18.6991	1.7714	11.7155	60.763
21	3.9404	154.89	1,413.88	5.0737	18.7393	1.7697	11.7470	60.747
22	3.9847	156.05	1,424.62	5.1091	18.8431	1.7698	11.5990	61.133
23	3.9401	155.84	1,425.92	5.0899	18.7706	1.7758	11.8565	60.696
26	3.9565	156.41	1,425.57	5.1025	18.6863	1.7690	11.7080	60.863
27	3.9830	157.14	1,424.20	5.1097	18.7091	1.7739	11.7563	60.547
28	4.0212	157.82	1,434.33	5.1097	18.6835	1.7992	11.8395	60.400
29	4.0439	157.74	1,438.77	5.1097	18.6836	1.7937	11.7645	60.460
30	4.0486	157.16	1,435.88	5.0717	18.5614	1.7858	11.7040	60.082
July 3	4.0467	157.81	1,425.74	5.0871	18.6610	1.7755	11.6945	60.270
4	4.0341	157.34	1,414.61	5.0684	18.5663	1.7604	11.5958	60.165
5	4.0239	157.26	1,415.29	5.0620	18.5602	1.7590	11.6455	60.328
6	4.0287	156.57	1,419.79	5.0811	18.6009	1.7532	11.6370	60.543
7	4.0428	156.01	1,421.91	5.0842	18.7883	1.7644	11.7085	60.495
10	4.0588	155.73	1,429.51	5.1165	18.7544	1.7707	11.5635	60.996
11	4.0719	154.27	1,422.26	5.1181	18.7556	1.7766	11.4520	60.787
12	4.0450	153.84	1,420.80	5.1263	18.7485	1.7818	11.3310	60.463
13	4.0378	154.84	1,418.67	5.1280	18.9248	1.7580	11.2480	60.780
14	4.0499	155.51	1,423.03	5.0786	18.9497	1.7589	11.2105	61.135

Other European and non-European countries (cont'd)								
Period	Russian Federation Russian rouble RUB 1	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United Kingdom Pound sterling GBP	United States US dollar USD
2022 June	–	1.4483	17.0143	0.9960	36.754	17.3220	0.85820	1.0387
July	–	1.4088	16.8627	0.9744	36.978	18.2472	0.83990	1.0198
Aug.	–	1.3969	17.0667	0.9796	36.450	18.1849	0.86035	1.0000
Sep.	–	1.4001	17.5353	0.9561	36.823	18.0841	0.88300	0.9748
Oct.	–	1.4038	18.1736	0.9925	37.748	18.4562	0.86115	0.9914
Nov.	–	1.4180	17.5768	0.9854	36.588	19.3333	0.86488	1.0376
Dec.	–	1.4300	18.0986	0.9847	36.835	19.9649	0.88693	1.0666
2023 Jan.	–	1.4268	18.9223	1.0032	35.787	20.3787	0.88073	1.0833
Feb.	–	1.4314	19.5518	0.9947	37.485	20.0556	0.87701	1.0619
Mar.	–	1.4464	19.3275	0.9968	37.111	20.8632	0.87920	1.0875
Apr.	–	1.4679	20.1558	0.9839	37.467	21.3608	0.88050	1.0981
May	–	1.4467	21.1353	0.9724	37.134	22.1320	0.86405	1.0683
June	–	1.4732	20.5785	0.9788	38.482	28.3193	0.85828	1.0866
2023 June 19	–	1.4646	19.8497	0.9772	37.987	25.8250	0.85268	1.0922
20	–	1.4688	19.9724	0.9808	37.981	25.7687	0.85705	1.0933
21	–	1.4678	20.0783	0.9803	38.056	25.7343	0.85828	1.0923
22	–	1.4741	20.2575	0.9825	38.535	26.6249	0.86115	1.0985
23	–	1.4726	20.3652	0.9773	38.323	27.4781	0.85479	1.0884
26	–	1.4765	20.3145	0.9737	38.399	28.2813	0.85878	1.0918
27	–	1.4767	20.2234	0.9789	38.602	28.5192	0.85990	1.0951
28	–	1.4799	20.4828	0.9822	38.950	28.5166	0.86420	1.0938
29	–	1.4790	20.4645	0.9783	38.928	28.4788	0.86400	1.0938
30	–	1.4732	20.5785	0.9788	38.482	28.3193	0.85828	1.0866
July 3	–	1.4736	20.4435	0.9800	38.343	28.4225	0.85980	1.0899
4	–	1.4694	20.3147	0.9762	38.034	28.3858	0.85673	1.0895
5	–	1.4714	20.3894	0.9782	37.979	28.3828	0.85685	1.0879
6	–	1.4712	20.6276	0.9757	38.168	28.3543	0.85310	1.0899
7	–	1.4717	20.7915	0.9754	38.358	28.3830	0.85298	1.0888
10	–	1.4773	20.6523	0.9753	38.477	28.5900	0.85733	1.0956
11	–	1.4748	20.4953	0.9693	38.209	28.6897	0.85110	1.0989
12	–	1.4751	20.3368	0.9683	38.434	28.8159	0.85378	1.1022
13	–	1.4816	20.2148	0.9644	38.667	29.2478	0.85553	1.1182
14	–	1.4820	20.2032	0.9649	38.864	29.3872	0.85590	1.1221

* See Explanatory notes, p. 48. 1 The ECB has suspended the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

II. Euro foreign exchange reference rates of the European Central Bank *

2. Annual and monthly averages +

EUR 1 = CU ...

EU member countries								
	Bulgaria	Croatia ¹	Czechia	Denmark	Hungary	Poland	Romania	Sweden
Period	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2021	1.9558	7.5284	25.640	7.4370	358.52	4.5652	4.9215	10.1465
2022	1.9558	7.5349	24.566	7.4396	391.29	4.6861	4.9313	10.6296
2021 May	1.9558	7.5226	25.558	7.4362	353.65	4.5281	4.9250	10.1471
June	1.9558	7.4980	25.454	7.4364	349.94	4.5005	4.9238	10.1172
July	1.9558	7.5027	25.636	7.4373	357.26	4.5616	4.9255	10.1979
Aug.	1.9558	7.4960	25.470	7.4369	351.84	4.5687	4.9232	10.2157
Sep.	1.9558	7.4924	25.392	7.4361	352.51	4.5681	4.9471	10.1710
Oct.	1.9558	7.5135	25.496	7.4398	360.82	4.5909	4.9480	10.0557
Nov.	1.9558	7.5195	25.391	7.4373	364.50	4.6462	4.9494	10.0459
Dec.	1.9558	7.5201	25.246	7.4362	367.50	4.6137	4.9492	10.2726
2022 Jan.	1.9558	7.5247	24.470	7.4411	358.68	4.5522	4.9454	10.3579
Feb.	1.9558	7.5338	24.437	7.4408	356.97	4.5487	4.9458	10.5342
Mar.	1.9558	7.5711	25.007	7.4404	376.64	4.7522	4.9482	10.5463
Apr.	1.9558	7.5577	24.435	7.4391	374.87	4.6485	4.9442	10.3175
May	1.9558	7.5356	24.750	7.4405	384.45	4.6485	4.9460	10.4956
June	1.9558	7.5252	24.719	7.4392	396.66	4.6471	4.9444	10.6005
July	1.9558	7.5185	24.594	7.4426	404.10	4.7682	4.9396	10.5752
Aug.	1.9558	7.5138	24.568	7.4393	402.10	4.7233	4.8943	10.5021
Sep.	1.9558	7.5222	24.576	7.4366	404.19	4.7414	4.9097	10.7840
Oct.	1.9558	7.5298	24.528	7.4389	418.31	4.8040	4.9259	10.9503
Nov.	1.9558	7.5426	24.369	7.4387	406.68	4.6964	4.9142	10.8798
Dec.	1.9558	7.5448	24.269	7.4377	407.68	4.6832	4.9224	10.9859
2023 Jan.	1.9558	–	23.958	7.4383	396.03	4.6974	4.9242	11.2051
Feb.	1.9558	–	23.712	7.4447	384.91	4.7415	4.9087	11.1725
Mar.	1.9558	–	23.683	7.4456	385.01	4.6893	4.9263	11.2276
Apr.	1.9558	–	23.437	7.4518	375.34	4.6320	4.9365	11.3370
May	1.9558	–	23.595	7.4485	372.37	4.5345	4.9477	11.3697
June	1.9558	–	23.695	7.4492	370.60	4.4608	4.9600	11.6766

Other European and non-European countries								
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2021	1.5749	6.3779	1.4826	7.6282	9.1932	150.15	87.4392	16,920.72
2022	1.5167	5.4399	1.3695	7.0788	8.2451	142.24	82.6864	15,625.25
2021 May	1.5653	6.4462	1.4732	7.8109	9.4317	149.66	88.9171	17,393.13
June	1.5761	6.0693	1.4713	7.7391	9.3507	146.84	88.6298	17,295.86
July	1.5926	6.0930	1.4806	7.6536	9.1862	147.10	88.1134	17,148.30
Aug.	1.6118	6.1884	1.4827	7.6237	9.1633	148.45	87.2573	16,926.94
Sep.	1.6087	6.1966	1.4910	7.6007	9.1583	150.96	86.6330	16,781.39
Oct.	1.5669	6.4204	1.4436	7.4500	9.0257	149.66	86.9571	16,450.02
Nov.	1.5615	6.3434	1.4339	7.2927	8.8922	149.16	85.0038	16,298.12
Dec.	1.5781	6.3841	1.4463	7.1993	8.8155	147.15	85.1762	16,184.17
2022 Jan.	1.5770	6.2673	1.4282	7.1922	8.8166	146.09	84.2273	16,227.12
Feb.	1.5825	5.8903	1.4422	7.1957	8.8461	141.99	85.0312	16,271.78
Mar.	1.4946	5.4884	1.3950	6.9916	8.6199	143.39	83.9933	15,802.12
Apr.	1.4663	5.1342	1.3652	6.9605	8.4828	139.83	82.4033	15,566.64
May	1.4995	5.2460	1.3588	7.0830	8.3030	138.46	81.7828	15,422.62
June	1.5044	5.3209	1.3537	7.0734	8.2922	138.47	82.5112	15,531.74
July	1.4856	5.4718	1.3180	6.8538	7.9895	139.05	81.0182	15,258.22
Aug.	1.4550	5.2111	1.3078	6.8884	7.9473	140.12	80.5563	15,024.16
Sep.	1.4820	5.1791	1.3187	6.9508	7.7738	140.35	79.4558	14,847.40
Oct.	1.5474	5.1658	1.3477	7.0687	7.7128	141.50	80.9180	15,172.93
Nov.	1.5455	5.3846	1.3708	7.3171	7.9873	146.98	83.3384	15,975.07
Dec.	1.5685	5.5589	1.4379	7.3859	8.2434	150.76	87.3381	16,503.30
2023 Jan.	1.5523	5.6047	1.4474	7.3173	8.4217	154.06	88.1441	16,427.04
Feb.	1.5514	5.5386	1.4400	7.3244	8.4077	153.11	88.5004	16,232.58
Mar.	1.6034	5.5784	1.4649	7.3807	8.4026	149.89	88.1159	16,364.98
Apr.	1.6389	5.4995	1.4792	7.5561	8.6093	149.62	89.9311	16,313.20
May	1.6346	5.4092	1.4687	7.5948	8.5167	150.47	89.4602	16,116.84
June	1.6157	5.2695	1.4414	7.7653	8.4899	149.35	89.1134	16,194.88

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ Accession to the euro area on 1 January 2023.

II. Euro foreign exchange reference rates of the European Central Bank *

2. Annual and monthly averages + (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)								
	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	Philippines
Period	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP
2021	3.8208	129.88	1,354.06	4.9015	23.9852	1.6724	10.1633	58.299
2022	3.5345	138.03	1,358.07	4.6279	21.1869	1.6582	10.1026	57.314
2021 May	3.9623	132.57	1,364.47	5.0142	24.2682	1.6817	10.0931	58.222
June	3.9179	132.63	1,352.47	4.9808	24.1066	1.6944	10.1444	58.040
July	3.8668	130.35	1,354.46	4.9680	23.6101	1.6933	10.3767	59.264
Aug.	3.7942	129.28	1,366.74	4.9660	23.6237	1.6872	10.4195	59.088
Sep.	3.7744	129.66	1,380.51	4.9054	23.5675	1.6676	10.1861	59.115
Oct.	3.7292	131.21	1,371.23	4.8307	23.7308	1.6452	9.8143	58.835
Nov.	3.5588	130.12	1,351.74	4.7695	23.8113	1.6261	9.9661	57.473
Dec.	3.5426	128.80	1,338.49	4.7599	23.6159	1.6649	10.1308	56.917
2022 Jan.	3.5487	130.01	1,353.61	4.7405	23.1891	1.6789	10.0070	58.000
Feb.	3.6452	130.66	1,358.53	4.7492	23.1808	1.6982	10.0544	58.163
Mar.	3.5710	130.71	1,345.66	4.6277	22.6476	1.6049	9.7367	57.415
Apr.	3.5106	136.61	1,337.58	4.6208	21.7206	1.5978	9.6191	56.264
May	3.5758	136.24	1,340.10	4.6344	21.1861	1.6515	10.1453	55.421
June	3.6038	141.57	1,351.47	4.6496	21.1240	1.6640	10.2972	56.756
July	3.5309	139.17	1,332.00	4.5197	20.8955	1.6436	10.1823	56.917
Aug.	3.3408	136.85	1,337.90	4.5233	20.3909	1.6158	9.8309	56.542
Sep.	3.4181	141.57	1,381.71	4.5005	19.8718	1.6691	10.1697	57.074
Oct.	3.4823	144.73	1,403.51	4.6127	19.6481	1.7299	10.3919	57.738
Nov.	3.5488	145.12	1,384.19	4.7002	19.8393	1.6828	10.3357	58.655
Dec.	3.6562	142.82	1,370.59	4.6721	20.7608	1.6660	10.4480	58.888
2023 Jan.	3.7126	140.54	1,341.38	4.6589	20.4573	1.6851	10.7149	59.162
Feb.	3.7975	142.38	1,368.77	4.6794	19.9543	1.7016	10.9529	58.743
Mar.	3.8742	143.01	1,398.25	4.7816	19.7242	1.7242	11.2858	58.581
Apr.	3.9877	146.51	1,452.07	4.8561	19.8195	1.7673	11.5187	60.807
May	3.9863	148.93	1,442.31	4.9119	19.2755	1.7481	11.7330	60.604
June	3.9502	153.15	1,406.43	5.0208	18.6993	1.7686	11.7164	60.475

Other European and non-European countries (cont'd)								
	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States
	Russian rouble RUB 1	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD
2021	87.1527	1.5891	17.4766	1.0811	37.837	10.5124	0.85960	1.1827
2022	–	1.4512	17.2086	1.0047	36.856	17.4088	0.85276	1.0530
2021 May	89.8737	1.6153	17.0766	1.0968	37.992	10.1852	0.86258	1.2146
June	87.4561	1.6062	16.7540	1.0940	37.873	10.3823	0.85872	1.2047
July	87.3970	1.6019	17.1648	1.0856	38.586	10.1587	0.85613	1.1822
Aug.	86.6067	1.5947	17.3827	1.0762	38.956	9.9788	0.85287	1.1772
Sep.	85.7740	1.5864	17.1373	1.0857	38.919	10.0691	0.85683	1.1770
Oct.	82.7727	1.5673	17.2300	1.0708	38.813	10.6809	0.84694	1.1601
Nov.	83.1111	1.5487	17.7055	1.0522	37.773	12.2361	0.84786	1.1414
Dec.	83.4913	1.5403	17.9331	1.0408	37.931	15.4045	0.84875	1.1304
2022 Jan.	86.5552	1.5286	17.5286	1.0401	37.607	15.3525	0.83503	1.1314
Feb.	88.8910	1.5274	17.2663	1.0461	37.014	15.4901	0.83787	1.1342
Mar.	–	1.4972	16.5138	1.0245	36.648	16.1233	0.83638	1.1019
Apr.	–	1.4775	16.2796	1.0211	36.559	15.9311	0.83655	1.0819
May	–	1.4621	16.8131	1.0355	36.392	16.5412	0.84969	1.0579
June	–	1.4624	16.6961	1.0245	36.928	17.9599	0.85759	1.0566
July	–	1.4211	17.1606	0.9876	37.028	17.7896	0.84955	1.0179
Aug.	–	1.4016	16.9182	0.9690	36.306	18.2701	0.84499	1.0128
Sep.	–	1.3999	17.3828	0.9640	36.670	18.1465	0.87463	0.9904
Oct.	–	1.4003	17.8214	0.9791	37.286	18.2655	0.87058	0.9826
Nov.	–	1.4144	17.8328	0.9842	37.087	18.9877	0.86892	1.0201
Dec.	–	1.4313	18.3036	0.9865	36.817	19.7613	0.86950	1.0589
2023 Jan.	–	1.4283	18.4320	0.9961	35.840	20.2312	0.88212	1.0769
Feb.	–	1.4262	19.1765	0.9905	36.486	20.1981	0.88550	1.0715
Mar.	–	1.4354	19.5602	0.9908	36.912	20.3491	0.88192	1.0706
Apr.	–	1.4609	19.9205	0.9846	37.549	21.2267	0.88115	1.0968
May	–	1.4555	20.6864	0.9751	37.166	21.4918	0.87041	1.0868
June	–	1.4596	20.3033	0.9764	37.852	25.7697	0.85861	1.0840

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 The ECB has suspended

the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

II. Euro foreign exchange reference rates of the European Central Bank *

3. End-of-year rates and annual averages

EUR 1 = CU ...

EU member countries									
	Bulgaria	Croatia ¹	Czechia	Denmark	Estonia ¹	Hungary	Latvia ¹	Lithuania ¹	Poland
Period	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK	Hungarian forint HUF	Latvian lats LVL	Lithuanian litas LTL	Polish zloty PLN
End of year									
2009	1.9558	7.3000	26.473	7.4418	15.6466	270.42	0.709300	3.4528	4.1045
2010	1.9558	7.3830	25.061	7.4535	15.6466	277.95	0.709400	3.4528	3.9750
2011	1.9558	7.5370	25.787	7.4342	–	314.58	0.699500	3.4528	4.4580
2012	1.9558	7.5575	25.151	7.4610	–	292.30	0.697700	3.4528	4.0740
2013	1.9558	7.6265	27.427	7.4593	–	297.04	0.702804	3.4528	4.1543
2014	1.9558	7.6580	27.735	7.4453	–	315.54	–	3.4528	4.2732
2015	1.9558	7.6380	27.023	7.4626	–	315.98	–	–	4.2639
2016	1.9558	7.5597	27.021	7.4344	–	309.83	–	–	4.4103
2017	1.9558	7.4400	25.535	7.4449	–	310.33	–	–	4.1770
2018	1.9558	7.4125	25.724	7.4673	–	320.98	–	–	4.3014
2019	1.9558	7.4395	25.408	7.4715	–	330.53	–	–	4.2568
2020	1.9558	7.5519	26.242	7.4409	–	363.89	–	–	4.5597
2021	1.9558	7.5156	24.858	7.4364	–	369.19	–	–	4.5969
2022	1.9558	7.5365	24.116	7.4365	–	400.87	–	–	4.6808
Annual averages ⁺									
2009	1.9558	7.3400	26.435	7.4462	15.6466	280.33	0.7057	3.4528	4.3276
2010	1.9558	7.2891	25.284	7.4473	15.6466	275.48	0.7087	3.4528	3.9947
2011	1.9558	7.4390	24.590	7.4506	–	279.37	0.7063	3.4528	4.1206
2012	1.9558	7.5217	25.149	7.4437	–	289.25	0.6973	3.4528	4.1847
2013	1.9558	7.5786	25.980	7.4579	–	296.87	0.7015	3.4528	4.1975
2014	1.9558	7.6344	27.536	7.4548	–	308.71	–	3.4528	4.1843
2015	1.9558	7.6137	27.279	7.4587	–	310.00	–	–	4.1841
2016	1.9558	7.5333	27.034	7.4452	–	311.44	–	–	4.3632
2017	1.9558	7.4637	26.326	7.4386	–	309.19	–	–	4.2570
2018	1.9558	7.4182	25.647	7.4532	–	318.89	–	–	4.2615
2019	1.9558	7.4180	25.670	7.4661	–	325.30	–	–	4.2976
2020	1.9558	7.5384	26.455	7.4542	–	351.25	–	–	4.4430
2021	1.9558	7.5284	25.640	7.4370	–	358.52	–	–	4.5652
2022	1.9558	7.5349	24.566	7.4396	–	391.29	–	–	4.6861

EU member countries (cont'd)		Other European and non-European countries						
	Romania	Sweden	Australia	Brazil	Canada	China	Hong Kong	Iceland
	Romanian leu RON	Swedish krona SEK	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK ²
End of year								
2009	4.2363	10.2520	1.6008	2.5113	1.5128	9.8350	11.1709	–
2010	4.2620	8.9655	1.3136	2.2177	1.3322	8.8220	10.3856	–
2011	4.3233	8.9120	1.2723	2.4159	1.3215	8.1588	10.0510	–
2012	4.4445	8.5820	1.2712	2.7036	1.3137	8.2207	10.2260	–
2013	4.4710	8.8591	1.5423	3.2576	1.4671	8.3491	10.6933	–
2014	4.4828	9.3930	1.4829	3.2207	1.4063	7.5358	9.4170	–
2015	4.5240	9.1895	1.4897	4.3117	1.5116	7.0608	8.4376	–
2016	4.5390	9.5525	1.4596	3.4305	1.4188	7.3202	8.1751	–
2017	4.6585	9.8438	1.5346	3.9729	1.5039	7.8044	9.3720	–
2018	4.6635	10.2548	1.6220	4.4440	1.5605	7.8751	9.9675	133.20
2019	4.7830	10.4468	1.5995	4.5157	1.4598	7.8205	8.7473	135.80
2020	4.8683	10.0343	1.5896	6.3735	1.5633	8.0225	9.5142	156.10
2021	4.9490	10.2503	1.5615	6.3101	1.4393	7.1947	8.8333	147.60
2022	4.9495	11.1218	1.5693	5.6386	1.4440	7.3582	8.3163	151.50
Annual averages ⁺								
2009	4.2399	10.6191	1.7727	2.7674	1.5850	9.5277	10.8114	–
2010	4.2122	9.5373	1.4423	2.3314	1.3651	8.9712	10.2994	–
2011	4.2391	9.0298	1.3484	2.3265	1.3761	8.9960	10.8362	–
2012	4.4593	8.7041	1.2407	2.5084	1.2842	8.1052	9.9663	–
2013	4.4190	8.6515	1.3777	2.8687	1.3684	8.1646	10.3016	–
2014	4.4437	9.0985	1.4719	3.1211	1.4661	8.1857	10.3025	–
2015	4.4454	9.3535	1.4777	3.7004	1.4186	6.9733	8.6014	–
2016	4.4904	9.4689	1.4883	3.8561	1.4659	7.3522	8.5922	–
2017	4.5688	9.6351	1.4732	3.6054	1.4647	7.6290	8.8045	–
2018	4.6540	10.2583	1.5797	4.3085	1.5294	7.8081	9.2559	127.89
2019	4.7453	10.5891	1.6109	4.4134	1.4855	7.7355	8.7715	137.28
2020	4.8383	10.4848	1.6549	5.8943	1.5300	7.8747	8.8587	154.59
2021	4.9215	10.1465	1.5749	6.3779	1.4826	7.6282	9.1932	150.15
2022	4.9313	10.6296	1.5167	5.4399	1.3695	7.0788	8.2451	142.24

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ Accession to the euro

area, see p. 7 (Table I. 1.). ² The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018.

II. Euro foreign exchange reference rates of the European Central Bank *

3. End-of-year rates and annual averages (cont'd)

EUR 1 = CU ...

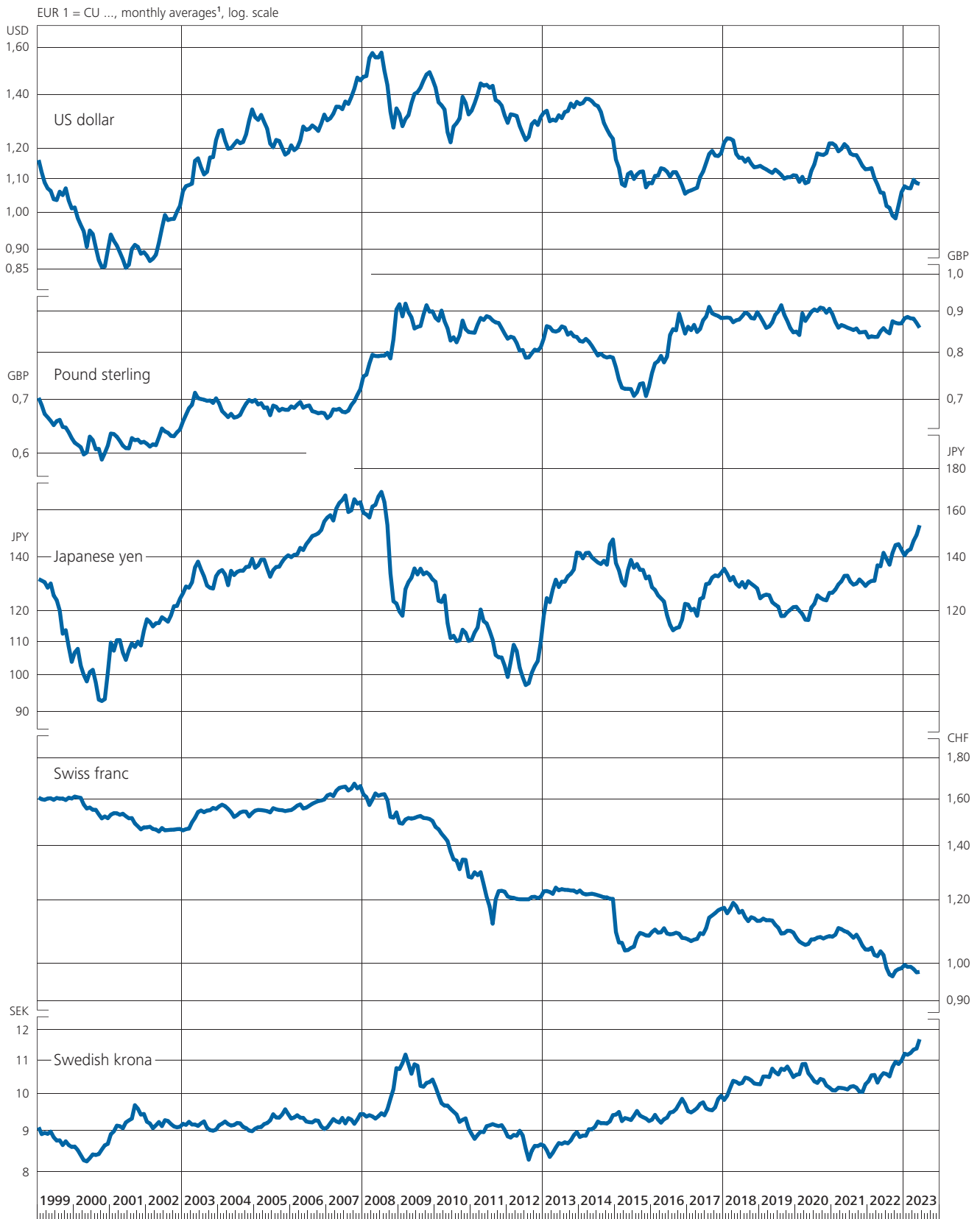
Other European and non-European countries (cont'd)									
India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
Indian rupee INR	Indonesian rupiah IDR	New shekel ILS ¹	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
End of year									
2009	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223	1.9803	8.3000
2010	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475	1.7200	7.8000
2011	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512	1.6737	7.7540
2012	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845	1.6045	7.3483
2013	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731	1.6762	8.3630
2014	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679	1.5525	9.0420
2015	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145	1.5923	9.6030
2016	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719	1.5158	9.0863
2017	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612	1.6850	9.8403
2018	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921	1.7056	9.9483
2019	80.1870	15,595.60	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653	9.8638
2020	89.6605	17,240.76	3.9447	126.49	1,336.00	4.9340	24.4160	1.6984	10.4703
2021	84.2292	16,100.42	3.5159	130.38	1,346.38	4.7184	23.1438	1.6579	9.9888
2022	88.1710	16,519.82	3.7554	140.66	1,344.09	4.6984	20.8560	1.6798	10.5138
Annual averages +									
2009	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989	2.2121	8.7278
2010	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373	1.8377	8.0043
2011	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877	1.7600	7.7934
2012	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029	1.5867	7.4751
2013	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641	1.6206	7.8067
2014	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550	1.5995	8.3544
2015	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157	1.5930	8.9496
2016	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673	1.5886	9.2906
2017	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286	1.5897	9.3270
2018	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054	1.7065	9.5975
2019	78.8361	15,835.27	3.9901	122.01	1,305.32	4.6374	21.5565	1.6998	9.8511
2020	84.6392	16,627.37	3.9258	121.85	1,345.58	4.7959	24.5194	1.7561	10.7228
2021	87.4392	16,920.72	3.8208	129.88	1,354.06	4.9015	23.9852	1.6724	10.1633
2022	82.6864	15,625.25	3.5345	138.03	1,358.07	4.6279	21.1869	1.6582	10.1026

Other European and non-European countries (cont'd)									
Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States	
Philippine peso PHP	Russian rouble RUB ²	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD	
End of year									
2009	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	0.88810	1.4406
2010	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	0.86075	1.3362
2011	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	0.83530	1.2939
2012	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	0.81610	1.3194
2013	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	0.83370	1.3791
2014	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	0.77890	1.2141
2015	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	0.73395	1.0887
2016	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	0.85618	1.0541
2017	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	0.88723	1.1993
2018	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	0.89453	1.1450
2019	56.900	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234
2020	59.125	91.4671	1.6218	18.0219	1.0802	36.727	9.1131	0.89903	1.2271
2021	57.763	85.3004	1.5279	18.0625	1.0331	37.653	15.2335	0.84028	1.1326
2022	59.320	-	1.4300	18.0986	0.9847	36.835	19.9649	0.88693	1.0666
Annual averages +									
2009	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	0.89094	1.3948
2010	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	0.85784	1.3257
2011	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	0.86788	1.3920
2012	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	0.81087	1.2848
2013	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	0.84926	1.3281
2014	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	0.80612	1.3285
2015	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	0.72584	1.1095
2016	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	0.81948	1.1069
2017	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	0.87667	1.1297
2018	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	0.88471	1.1810
2019	57.985	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195
2020	56.615	82.7248	1.5742	18.7655	1.0705	35.708	8.0547	0.88970	1.1422
2021	58.299	87.1527	1.5891	17.4766	1.0811	37.837	10.5124	0.85960	1.1827
2022	57.314	-	1.4512	17.2086	1.0047	36.856	17.4088	0.85276	1.0530

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ Up to December 2010, ECB indicative rates. ² The ECB has suspended the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

II. Euro foreign exchange reference rates of the European Central Bank*

4. Exchange rates of major currencies

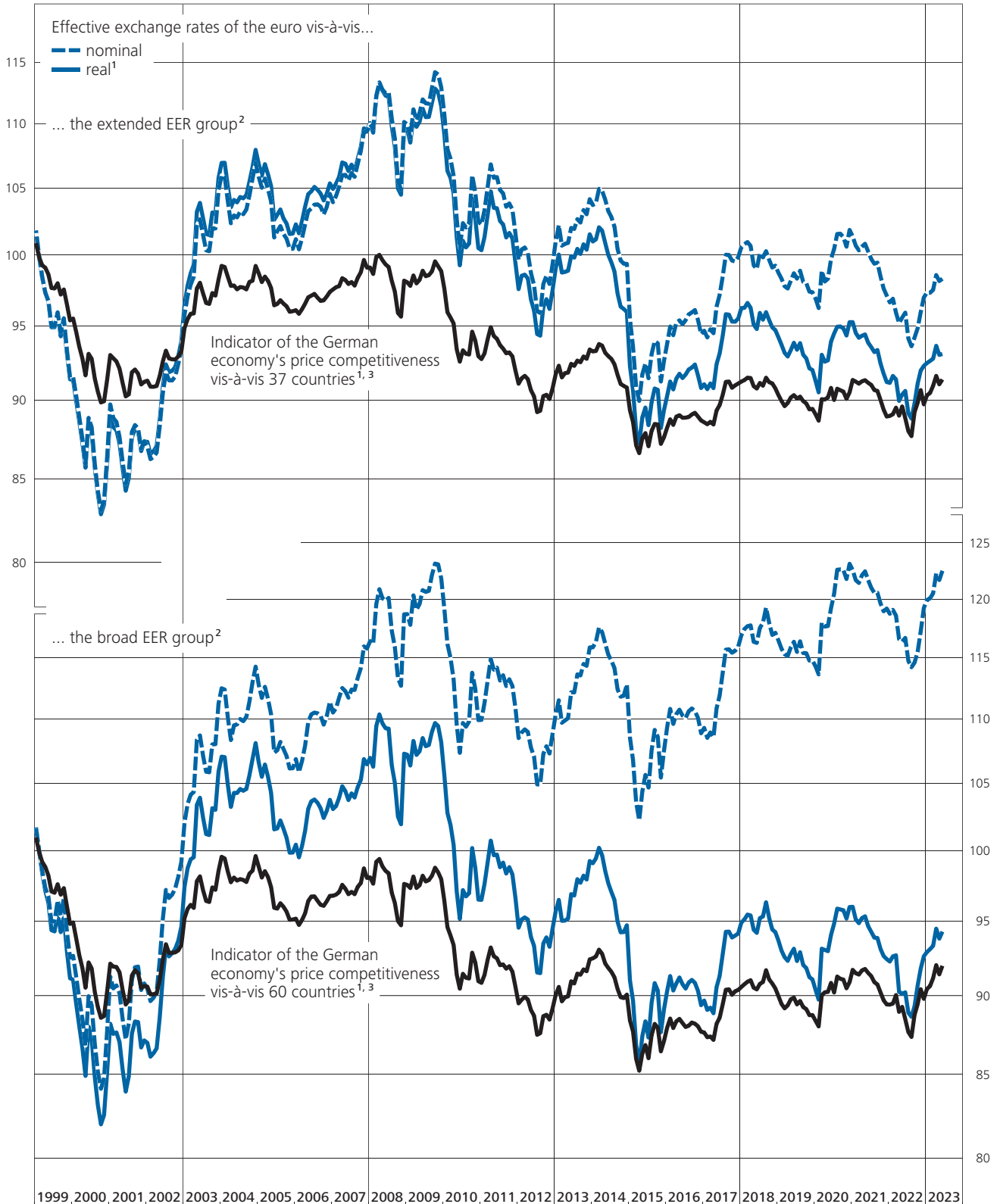


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

III. Effective exchange rates

1. Effective exchange rates of the euro and indicators of the German economy's price competitiveness*

Q1 1999 = 100, monthly averages, log. scale



* The weights are based on trade in manufactured goods and services. For more detailed information on methodology and definition of country groups, see Explanatory notes, pp. 48–50. A decline in the figures implies an increase in competitiveness. **1** Based on consumer price indices. **2** Includes the 18 respectively 41 most important trading partners of the euro area economy. **3** Includes the 37 respectively 60 most important trading partners of the German economy.

III. Effective exchange rates

2. Effective exchange rates of the euro *

Q1 1999 = 100

Yearly, quarterly or monthly average	Effective exchange rates of the euro vis-à-vis the currencies of the					
	extended EER group of trading partners (fixed composition) ¹			broad EER group of trading partners (fixed composition) ^{2 3}		
	Nominal	In real terms based on consumer price indices	In real terms based on the deflators of gross domestic product	In real terms based on unit labour costs of national economy	Nominal	In real terms based on consumer price indices
1999	96.2	96.1	95.9	96.0	96.6	95.9
2000	87.0	86.8	86.0	85.5	88.1	86.1
2001	87.5	87.1	86.5	84.3	90.2	86.9
2002	89.8	90.2	89.6	87.9	94.5	90.5
2003	100.4	101.4	100.8	99.0	106.4	101.6
2004	104.2	105.3	103.8	102.2	110.9	105.4
2005	102.8	104.0	101.8	100.4	109.1	103.0
2006	102.8	104.0	101.2	99.3	109.2	102.3
2007	106.3	107.0	103.5	101.0	112.8	104.5
2008	110.2	109.9	105.7	104.9	117.6	107.0
2009	111.7	110.8	106.8	108.6	120.7	108.1
2010	104.5	103.0	98.6	101.1	112.0	99.1
2011	104.2	102.1	96.7	99.2	112.8	98.6
2012	98.5	96.8	91.2	93.5	107.6	93.8
2013	102.1	99.9	94.2	96.3	112.3	96.8
2014	102.3	99.2	94.2	96.5	114.7	97.2
2015	92.5	89.5	85.5	85.9	106.2	88.6
2016	95.2	91.5	87.9	p 87.1	110.2	90.6
2017	97.5	93.4	89.1	p 87.9	112.6	91.8
2018	100.0	95.6	90.6	p 89.5	117.4	95.0
2019	98.1	93.2	88.9	p 86.9	115.6	92.4
2020	99.7	93.6	89.5	p 87.5	119.5	93.9
2021	99.6	93.5	p 88.7	p 86.0	120.9	94.3
2022	95.5	p 90.7	p 83.7	p 81.2	116.8	p 90.8
2021 July	99.7	93.5			121.0	94.3
Aug.	99.4	93.2	p 88.5	p 85.7	120.6	93.9
Sep.	99.5	93.3			120.6	93.8
Oct.	98.5	92.4			119.6	93.1
Nov.	97.6	91.8	p 86.6	p 83.8	119.0	92.6
Dec.	97.1	91.2			119.2	92.4
2022 Jan.	96.6	91.1			118.7	p 92.3
Feb.	96.9	91.6	p 84.9	p 82.5	119.1	p 92.6
Mar.	95.9	91.4			118.6	p 92.7
Apr.	95.2	90.0			116.6	p 90.2
May	95.6	90.4	p 83.5	p 80.9	116.4	p 90.1
June	95.9	90.6			116.7	p 90.2
July	94.1	89.1			114.7	p 88.9
Aug.	93.6	88.8	p 81.9	p 79.6	114.2	p 88.6
Sep.	94.2	89.8			114.6	p 89.3
Oct.	94.8	p 91.1			115.5	p 90.6
Nov.	96.0	p 92.0	p 84.5	p 81.7	117.2	p 91.8
Dec.	97.0	p 92.3			119.2	p 92.6
2023 Jan.	97.3	p 92.5			119.9	p 92.9
Feb.	97.3	p 92.6	p 86.3	p 84.0	120.1	p 93.1
Mar.	97.5	p 92.8			120.5	p 93.3
Apr.	98.6	p 93.6			122.3	p 94.5
May	98.1	p 93.0	...	...	121.7	p 93.8
June	98.3	p 93.1			122.5	p 94.3
2023 June 14	97.9	-	-	-	122.0	-
15	98.1	-	-	-	122.2	-
16	98.6	-	-	-	123.0	-
19	98.6	-	-	-	122.9	-
20	98.8	-	-	-	123.1	-
21	98.8	-	-	-	123.1	-
22	99.1	-	-	-	123.6	-
23	98.5	-	-	-	123.0	-
26	98.8	-	-	-	123.5	-
27	99.0	-	-	-	123.8	-
28	99.3	-	-	-	124.2	-
29	99.2	-	-	-	124.1	-
30	98.9	-	-	-	123.7	-
July 3	99.0	-	-	-	123.9	-
4	98.8	-	-	-	123.6	-
5	98.9	-	-	-	123.7	-
6	98.9	-	-	-	123.9	-
7	99.0	-	-	-	124.0	-
10	99.2	-	-	-	124.3	-
11	99.0	-	-	-	124.1	-
12	99.0	-	-	-	124.2	-
13	99.4	-	-	-	124.8	-
14	99.6	-	-	-	125.0	-

* The weights are based on trade in manufactured goods and services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the figures implies an increase in competitiveness. Where current price and wage indices were not available, estimates were used. ¹ Includes the 18 most important trading partners for the euro area economy. ² Includes the 41 most important trading partners for the euro area economy. ³ The ECB has suspended the publication

and calculation of the euro foreign exchange reference rate against Russian rouble with effect from March 2, 2022 until further notice. For the calculation of effective exchange rates, an indicative rate is used for the Russian Federation from that date. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

III. Effective exchange rates

3. Indicators of the German economy's price competitiveness *

Q1 1999 = 100

Yearly, quarterly or monthly average	Based on the deflators of total sales vis-à-vis					Based on consumer price indices vis-à-vis							
	27 selected industrial countries ¹				37 countries ²	27 selected industrial countries ¹					37 countries ²	60 countries ^{2 3}	
	Total	of which:		Euro area countries		Non-euro area countries	Total	of which:		Euro area countries			Non-euro area countries
		Euro area countries	Non-euro area countries					Euro area countries	Non-euro area countries				
1999	97.9	99.6	95.7	95.7	97.7	98.3	100.1	96.1	96.1	98.1	97.8		
2000	92.0	97.5	85.4	85.4	91.1	93.1	99.0	86.1	86.1	92.3	91.2		
2001	91.7	96.6	86.0	86.0	90.5	93.0	98.1	86.9	86.9	91.7	91.0		
2002	92.3	95.7	88.3	88.3	91.0	93.5	96.9	89.4	89.4	92.2	91.9		
2003	95.9	94.8	97.5	97.5	95.3	97.0	95.7	99.0	99.0	96.7	96.8		
2004	96.1	93.6	99.9	99.9	95.6	98.5	95.4	102.8	102.8	98.2	98.4		
2005	94.7	92.1	98.7	98.7	93.3	98.4	95.2	103.1	103.1	97.1	96.7		
2006	93.5	90.4	98.1	98.1	91.6	98.6	94.8	104.0	104.0	96.7	96.0		
2007	94.5	89.7	101.9	101.9	92.0	100.9	95.1	109.6	109.6	98.3	97.3		
2008	94.9	88.4	105.1	105.1	91.3	102.4	94.5	114.6	114.6	98.4	97.5		
2009	95.2	89.2	104.5	104.5	92.0	101.9	94.4	113.5	113.5	98.6	97.9		
2010	92.5	88.7	98.1	98.1	88.1	98.8	94.0	105.7	105.7	94.3	92.5		
2011	92.1	88.5	97.5	97.5	87.3	98.2	93.7	104.7	104.7	93.5	91.9		
2012	90.0	88.3	92.4	92.4	84.7	95.9	93.2	99.5	99.5	90.5	88.9		
2013	92.3	88.8	97.4	97.4	86.6	98.1	93.3	105.2	105.2	92.3	90.9		
2014	92.9	89.6	97.6	97.6	87.4	98.2	93.6	104.7	104.7	92.5	91.5		
2015	89.7	90.3	88.8	88.8	83.6	94.4	94.1	94.4	94.4	87.8	87.0		
2016	90.6	90.7	90.4	90.4	84.9	95.0	94.1	96.1	96.1	88.8	88.1		
2017	91.9	90.9	93.3	93.3	85.7	96.3	94.3	99.1	99.1	89.9	88.9		
2018	93.2	91.0	96.3	96.3	86.7	97.7	94.4	102.4	102.4	91.2	90.8		
2019	92.2	91.2	93.5	93.5	85.8	96.4	94.3	99.2	99.2	89.9	89.4		
2020	92.3	91.5	93.4	93.4	86.4	96.4	94.2	99.5	99.5	90.1	90.2		
2021	93.4	92.0	95.4	95.4	86.8	97.4	94.8	100.9	100.9	90.7	91.0		
2022	92.2	92.0	92.3	92.3	85.2	96.0	94.6	97.7	97.7	89.2	p 89.1		
2020 Jan.						95.8	94.4	97.5	97.5	89.1	88.4		
Feb.	91.9	91.6	92.2	92.2	85.7	95.5	94.6	96.5	96.5	88.7	88.0		
Mar.						96.4	94.6	98.9	98.9	90.1	90.0		
Apr.						96.1	94.7	97.9	97.9	90.1	90.2		
May	91.8	91.8	91.8	91.8	86.3	96.3	94.8	98.2	98.2	90.2	90.2		
June						97.0	94.7	100.1	100.1	90.8	90.8		
July						96.0	93.4	99.7	99.7	90.0	90.2		
Aug.	92.4	91.2	94.2	94.2	86.7	97.0	94.1	101.0	101.0	90.8	91.2		
Sep.						96.9	94.0	101.0	101.0	90.7	91.1		
Oct.						96.7	93.9	100.8	100.8	90.6	91.0		
Nov.	93.1	91.5	95.5	95.5	86.9	96.5	93.7	100.5	100.5	90.1	90.5		
Dec.						97.0	93.6	101.7	101.7	90.5	90.9		
2021 Jan.						97.9	94.7	102.6	102.6	91.3	91.7		
Feb.	93.3	91.6	95.7	95.7	87.0	97.9	95.0	102.2	102.2	91.2	91.5		
Mar.						97.7	94.8	101.6	101.6	91.1	91.4		
Apr.						97.9	95.0	102.1	102.1	91.2	91.7		
May	93.2	91.5	95.8	95.8	86.6	98.0	95.0	102.4	102.4	91.3	91.8		
June						98.0	95.1	102.0	102.0	91.1	91.5		
July						97.7	95.2	101.2	101.2	91.0	91.3		
Aug.	93.7	92.3	95.7	95.7	87.0	97.4	95.0	100.5	100.5	90.7	90.9		
Sep.						97.3	94.9	100.6	100.6	90.6	90.7		
Oct.						96.7	94.6	99.4	99.4	90.0	90.2		
Nov.	93.4	92.6	94.6	94.6	86.4	96.1	94.3	98.4	98.4	89.4	89.7		
Dec.						95.7	94.1	97.7	97.7	88.9	89.4		
2022 Jan.						95.9	94.2	98.2	98.2	89.0	p 89.4		
Feb.	92.8	92.2	93.7	93.7	85.7	96.1	94.1	98.7	98.7	89.1	p 89.5		
Mar.						96.3	94.5	98.6	98.6	89.5	p 90.0		
Apr.						96.1	94.8	97.7	97.7	89.0	p 88.9		
May	92.2	91.9	92.6	92.6	85.0	96.6	95.3	98.1	98.1	89.6	p 89.3		
June						95.7	94.3	97.6	97.6	88.8	p 88.5		
July						94.9	94.2	95.6	95.6	88.0	p 87.6		
Aug.	91.6	92.0	90.7	90.7	84.7	94.5	94.0	94.9	94.9	87.7	p 87.3		
Sep.						96.0	95.1	97.1	97.1	89.2	p 88.7		
Oct.						96.1	94.8	97.7	97.7	89.8	p 89.4		
Nov.	92.1	91.8	92.4	92.4	85.5	97.1	95.5	99.2	99.2	90.7	p 90.4		
Dec.						96.2	94.2	99.0	99.0	89.7	p 89.8		
2023 Jan.						97.4	94.9	100.9	100.9	90.3	p 90.4		
Feb.	92.7	91.4	94.5	94.5	85.8	97.6	95.1	101.1	101.1	90.5	p 90.6		
Mar.						98.0	95.5	101.6	101.6	91.0	p 91.1		
Apr.						98.6	95.7	102.7	102.7	p 91.6	p 92.0		
May	...	...	...	...	...	98.0	p 95.3	101.8	p 101.8	p 91.1	p 91.4
June						p 98.3	p 95.6	p 102.1	p 102.1	p 91.4	p 92.0		

* The weights are based on trade in manufactured goods and services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the figures implies an increase in competitiveness. Where current price and wage indices were not available, estimates were used. ¹ Includes euro area countries (moving composition) as well as the 8 most important trading partners for the German

economy. ² Includes the 37 respectively 60 most important trading partners for the German economy. ³ As of March 2022, for the Russian Federation a monthly average indicative rate is used. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Afghanistan							
Kabul	Afghani = 100 puls	B	USD 1 =	AFN 89.6490	AFN 87.1970	AFN 86.9694	AFN 85.9957
		S	USD 1 =	AFN 89.7490	AFN 87.2970	AFN 87.0694	AFN 86.0957
	AFN	B	EUR 1 =	AFN 94.3145	AFN 95.1057	AFN 92.6900	AFN 92.5414
		S	EUR 1 =	AFN 94.5745	AFN 95.3657	AFN 92.9500	AFN 92.8014
Albania							
Tirana	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 112.99	ALL 101.12	ALL 102.76	ALL 98.15
		M	EUR 1 =	ALL 118.82	ALL 111.12	ALL 109.69	ALL 106.44
Algeria							
Algiers	Algerian dinar = 100 centimes	B	USD 1 =	DZD 142.0187	DZD 135.3602	DZD 136.7595	DZD 135.8518
		S	USD 1 =	DZD 142.0337	DZD 135.3752	DZD 136.7745	DZD 135.8668
	DZD	B	EUR 1 =	DZD 149.5203	DZD 148.8556	DZD 145.8540	DZD 147.3041
		S	EUR 1 =	DZD 149.5785	DZD 148.9127	DZD 145.8837	DZD 147.3475
Angola							
Luanda	Kwanza = 100 cêntimos AOA	M	USD 1 =	AOA 460.058	AOA 507.407	AOA 583.746	AOA 822.940
		M	EUR 1 =	AOA 483.899	AOA 558.554	AOA 623.849	AOA 899.227
Antigua und Barbuda							
St John's	East Caribbean dollar = 100 cents	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.8307	XCD 2.9519	XCD 2.8718	XCD 2.9210
		V, S	EUR 1 =	XCD 2.8609	XCD 2.9834	XCD 2.9025	XCD 2.9522
Argentina 1							
Buenos Aires	Argentine peso = 100 centavos	B	USD 1 =	ARS 130.6116	ARS 222.2800	ARS 239.1000	ARS 256.3000
		S	USD 1 =	ARS 130.8116	ARS 222.6800	ARS 239.5000	ARS 256.7000
	ARS	B	EUR 1 =	ARS 136.6931	ARS 244.7970	ARS 254.8567	ARS 279.4183
		S	EUR 1 =	ARS 137.2306	ARS 245.7942	ARS 255.8818	ARS 280.4961
Armenia							
Yerevan	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 433.61	AMD 386.64	AMD 386.62	AMD 386.06
		M	EUR 1 =	AMD 457.81	AMD 424.69	AMD 412.76	AMD 418.95
Aruba							
Oranjestad	Aruban florin = 100 cents	2 B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78
		2 S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80
	AWG	B	EUR 100 =	AWG 187.10	AWG 195.68	AWG 190.24	AWG 193.25
		S	EUR 100 =	AWG 188.98	AWG 197.64	AWG 192.15	AWG 195.20

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Australia							
Canberra	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6947	USD 0.6610	USD 0.6495	USD 0.6630
		M	AUD 1 =	EUR 0.6593	EUR 0.6002	EUR 0.6072	EUR 0.6099
Austria							
Vienna	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Azerbaijan							
Baku	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.7000	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 1.7894	AZN 1.8726	AZN 1.8182	AZN 1.8521
Bahamas							
Nassau	Bahamian dollar = 100 cents BSD	2 B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		2 S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B V, S	EUR 1 = EUR 1 =	BSD 1.04774 BSD 1.06616	BSD 1.09261 BSD 1.11183	BSD 1.06296 BSD 1.08165	BSD 1.08117 BSD 1.10018
Bahrain							
Manama	Bahraini dinar = 1,000 fils BHD	2	USD 1 =	BHD 0.376081	BHD 0.376081	BHD 0.376081	BHD 0.376081
		M	EUR 1 =	BHD 0.3952958	BHD 0.4144040	BHD 0.4035920	BHD 0.4102860
Bangladesh 1							
Dhaka	Taka = 100 poisha BDT	B	USD 1 =	BDT 93.0250	BDT 105.0000	BDT 106.0000	BDT 107.0000
		S	USD 1 =	BDT 94.2567	BDT 106.9700	BDT 107.7100	BDT 109.0400
		B S	EUR 1 = EUR 1 =	BDT 97.2996 BDT 99.3953	BDT 115.1850 BDT 122.7374	BDT 112.8158 BDT 121.1414	BDT 116.1485 BDT 125.4941
Barbados							
Bridgetown	Barbados dollar = 100 cents BBD	2 B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		2 S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B S	EUR 1 = EUR 1 =	BBD 2.09598 BBD 2.13528	BBD 2.19823 BBD 2.23944	BBD 2.13411 BBD 2.17412	BBD 2.16478 BBD 2.20536
Belarus							
Minsk	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.6257	BYN 2.9255	BYN 2.9226	BYN 3.0315
		M	EUR 1 =	BYN 2.7634	BYN 3.2144	BYN 3.1333	BYN 3.3098

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month			
					April 2023	May 2023	June 2023	
Belgium								
Brussels	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866	
Belize								
Belmopan	Belize dollar = 100 cents BZD	2	B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 2.0000
			S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
		3	B	EUR 1 =	BZD 2.0826	BZD 2.1831	BZD 2.1173	BZD 2.1607
			S	EUR 1 =	BZD 2.1193	BZD 2.2217	BZD 2.1547	BZD 2.1989
Benin ¹								
Porto-Novo Seat of government: Cotonou	CFA franc XOF	3	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75
			S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75
		3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
Bermuda								
Hamilton	Bermudian dollar = 100 cents BMD	2	B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
			S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
		3	V, B	EUR 1 =	BMD 1.0488	BMD 1.0937	BMD 1.0640	BMD 1.0823
			V, S	EUR 1 =	BMD 1.0575	BMD 1.1028	BMD 1.0729	BMD 1.0913
Bhutan ¹								
Thimphu	Ngultrum = 100 chhetrum BTN	3	B	USD 1 =	BTN 77.80	BTN 80.60	BTN 81.50	BTN 81.82
			S	USD 1 =	BTN 80.22	BTN 83.15	BTN 84.00	BTN 83.35
		3	B	EUR 1 =	BTN 81.52	BTN 88.90	BTN 87.30	BTN 89.36
			S	EUR 1 =	BTN 83.79	BTN 91.40	BTN 89.70	BTN 90.65
Bolivia, Plurinational State of								
Sucre Seat of government: La Paz	Boliviano = 100 centavos BOB	3	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
			S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		3	V, B	EUR 1 =	BOB 7.2242	BOB 7.5330	BOB 7.3285	BOB 7.4541
			V, S	EUR 1 =	BOB 7.3295	BOB 7.6428	BOB 7.4354	BOB 7.5627
Bosnia and Herzegovina								
Sarajevo	Convertible marka = 100 feninga BAM	3	B	USD 1 =	BAM 1.859955	BAM 1.776651	BAM 1.815842	BAM 1.783636
			S	USD 1 =	BAM 1.869278	BAM 1.785557	BAM 1.824944	BAM 1.792576
		3	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583	
Botswana								
Gaborone	Pula = 100 thebe BWP	3	B	BWP 1 =	USD 0.0808	USD 0.0758	USD 0.0726	USD 0.0741
			S	BWP 1 =	USD 0.0806	USD 0.0756	USD 0.0724	USD 0.0739
		3	B	BWP 1 =	EUR 0.0770	EUR 0.0690	EUR 0.0680	EUR 0.0680
			S	BWP 1 =	EUR 0.0768	EUR 0.0688	EUR 0.0678	EUR 0.0678

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against

the US dollar. ³ Value against the euro. ⁴ Adjustment of the fixed value with effect from 1 June 2023.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month			
					April 2023	May 2023	June 2023	
Brazil								
Brasília	Brazilian real = 100 centavos	B	USD 1 =	BRL 5.1649	BRL 5.0001	BRL 5.0953	BRL 4.8186	
		S	USD 1 =	BRL 5.1655	BRL 5.0007	BRL 5.0959	BRL 4.8192	
	BRL	B	EUR 1 =	BRL 5.3984	BRL 5.5196	BRL 5.4275	BRL 5.2614	
		S	EUR 1 =	BRL 5.4004	BRL 5.5208	BRL 5.4287	BRL 5.2626	
	Brunei Darussalam ¹							
	Bandar Seri Begawan	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3702	BND 1.3264	BND 1.3452	BND 1.3409
S			USD 1 =	BND 1.3874	BND 1.3434	BND 1.3620	BND 1.3579	
BND		B	EUR 1 =	BND 1.4255	BND 1.4472	BND 1.4252	BND 1.4530	
		S	EUR 1 =	BND 1.4796	BND 1.5013	BND 1.4791	BND 1.5067	
Bulgaria								
Sofia		Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.86180	BGN 1.78110	BGN 1.83079	BGN 1.79995
	²		EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583	
Burkina Faso ¹								
Ouagadougou	CFA franc	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75	
		S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75	
	XOF	²	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
Burundi ¹								
Gitega	Burundi franc = 100 centimes	B	USD 1 =	BIF 2,016.8987	BIF 2,066.9411	BIF 2,799.5728 ¹	BIF 2,804.5626	
		S	USD 1 =	BIF 2,056.2563	BIF 2,100.2789	BIF 2,844.7272 ¹	BIF 2,849.7974	
	BIF	B	EUR 1 =	BIF 2,122.2930	BIF 2,275.7022	BIF 2,994.1431 ¹	BIF 3,049.5411	
		S	EUR 1 =	BIF 2,163.7098	BIF 2,312.4070	BIF 3,042.4357 ¹	BIF 3,098.7272	
	Cabo Verde							
	Praia	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 105.075	CVE 99.759	CVE 102.528	CVE 100.708
S			USD 1 =	CVE 105.277	CVE 99.961	CVE 102.730	CVE 100.910	
CVE		²	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265	
Cambodia								
Phnom Penh	Riel = 100 sen KHR	M	USD 1 =	KHR 4,089	KHR 4,115	KHR 4,116	KHR 4,130	
		B	EUR 1 =	KHR 4,298	KHR 4,547	KHR 4,405	KHR 4,508	
	KHR	S	EUR 1 =	KHR 4,341	KHR 4,593	KHR 4,449	KHR 4,553	
Cameroon ¹								
Yaoundé	CFA franc	B	USD 1 =	XAF 619.1417	XAF 592.3448	XAF 611.7290	XAF 594.7080	
		S	USD 1 =	XAF 626.1757	XAF 595.0857	XAF 612.8034	XAF 599.8034	
	XAF	²	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957	
Canada								
Ottawa	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.3013	CAD 1.3578	CAD 1.3603	CAD 1.3240	
		M	EUR 1 =	CAD 1.3703	CAD 1.4959	CAD 1.4511	CAD 1.4445	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Cayman Islands							
George Town	Cayman Islands dollar = 100 cents KYD	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
		V	EUR 1 =	KYD 0.8775	KYD 0.9151	KYD 0.8903	KYD 0.9055
Central African Republic ¹							
Bangui	CFA franc XAF	B	USD 1 =	XAF 619.1417	XAF 592.3448	XAF 611.7290	XAF 594.7080
		S	USD 1 =	XAF 626.1757	XAF 595.0857	XAF 612.8034	XAF 599.8034
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména	CFA franc XAF	B	USD 1 =	XAF 619.1417	XAF 592.3448	XAF 611.7290	XAF 594.7080
		S	USD 1 =	XAF 626.1757	XAF 595.0857	XAF 612.8034	XAF 599.8034
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 872.33	CLP 801.61	CLP 803.94	CLP 802.68
		M	EUR 1 =	CLP 917.60	CLP 883.61	CLP 861.67	CLP 872.48
China							
Beijing	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.7261	CNY 6.9240	CNY 7.0821	CNY 7.2258
		M	EUR 1 =	CNY 7.0985	CNY 7.6361	CNY 7.6016	CNY 7.8771
		M	HKD 1 =	CNY 0.85986	CNY 0.88206	CNY 0.90372	CNY 0.92198
China (Taiwan)							
Taipei	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 29.808	TWD 30.690	TWD 30.700	TWD 31.090
		S	USD 1 =	TWD 29.908	TWD 30.790	TWD 30.800	TWD 31.190
		B	EUR 1 =	TWD 31.15	TWD 33.64	TWD 32.63	TWD 33.61
S	EUR 1 =	TWD 31.55	TWD 34.04	TWD 33.03	TWD 34.01		
Colombia							
Bogotá	Colombian peso = 100 centavos COP	M	USD 1 =	COP 4,255.98	COP 4,654.14	COP 4,408.65	COP 4,191.28
		V	EUR 1 =	COP 4,470.963	COP 5,110.711	COP 4,709.761	COP 4,554.245
Comoros							
Moroni	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 467.20584	KMF 448.01726	KMF 460.51460	KMF 452.75883
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville	CFA franc XAF	B	USD 1 =	XAF 619.1417	XAF 592.3448	XAF 611.7290	XAF 594.7080
		S	USD 1 =	XAF 626.1757	XAF 595.0857	XAF 612.8034	XAF 599.8034
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against

the US dollar. ³ Value against the euro. ⁴ Currency amounts are denoted using the designation yuan (renminbi).

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Congo, Democratic Republic of the							
Kinshasa	Congo franc = 100 centimes	B	USD 1 =	CDF 1,966.9502	CDF 2,041.3260	CDF 2,270.1405	CDF 2,363.6748
		S	USD 1 =	CDF 2,047.2339	CDF 2,124.6454	CDF 2,362.7993	CDF 2,460.1513
	CDF	B	EUR 1 =	CDF 2,068.3883	CDF 2,255.6497	CDF 2,432.3483	CDF 2,586.3342
S		EUR 1 =	CDF 2,152.8123	CDF 2,347.7170	CDF 2,531.6278	CDF 2,691.8988	
Cook Islands ¹							
Avarua	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6136	EUR 0.5692	EUR 0.5719	EUR 0.5712
		S	NZD 1 =	EUR 0.5904	EUR 0.5477	EUR 0.5502	EUR 0.5496
Costa Rica							
San José	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 642.58	CRC 543.06	CRC 540.35	CRC 543.13
		S	USD 1 =	CRC 650.15	CRC 550.52	CRC 546.70	CRC 549.48
	CRC	V, B	EUR 1 =	CRC 674.9581	CRC 596.3342	CRC 577.2559	CRC 590.1651
		V, S	EUR 1 =	CRC 682.8784	CRC 604.5260	CRC 584.0396	CRC 597.0650
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan	CFA franc	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75
		S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75
	XOF	³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb	Euro = 100 cent EUR	M	EUR 1 =	–	USD 1.0981	USD 1.0683	USD 1.0866
Cuba ¹							
Havana	Cuban peso = 100 centavos	⁴ ⁵	USD 1 =	CUP 24.00	CUP 24.00	CUP 24.00	CUP 24.00
		⁵	EUR 1 =	CUP 25.2152	CUP 26.4792	CUP 25.5720	CUP 26.1912
	CUP	⁶	USD 1 =	CUP 120.00 ⁷	CUP 120.00	CUP 120.00	CUP 120.00
		⁶	EUR 1 =	CUP 121.3464 ⁷	CUP 132.3960	CUP 127.8600	CUP 130.9560
Curaçao							
Willemstad	Netherlands Antillean guilder = 100 cents	⁴ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		⁴ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B S	EUR 100 = EUR 100 =	ANG 187.16 ANG 190.93	ANG 195.68 ANG 199.63	ANG 190.25 ANG 194.09	ANG 193.26 ANG 197.16
Cyprus							
Nicosia	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Czechia							
Prague	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 23.360	CZK 21.411	CZK 22.219	CZK 21.831
		M	EUR 1 =	CZK 24.537	CZK 23.505	CZK 23.745	CZK 23.730

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the New Zealand dollar. ³ Value against the euro. ⁴ Value against the US

dollar. ⁵ Rate for transactions by general government. ⁶ Rate for non-government transactions. ⁷ Average from August to December 2022.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Denmark							
Copenhagen	Danish krone = 100 øre DKK	M	USD 100 =	DKK 708.30	DKK 678.79	DKK 697.18	DKK 685.39
		M	EUR 100 =	DKK 743.96	DKK 745.38	DKK 744.80	DKK 744.74
Djibouti							
Djibouti	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 184.38	DJF 192.36	DJF 187.67	DJF 191.27
		S	EUR 1 =	DJF 191.90	DJF 201.86	DJF 194.99	DJF 198.73
Dominica							
Roseau	East Caribbean dollar = 100 cents XCD	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 2.8307	XCD 2.9519	XCD 2.8718	XCD 2.9210
		V, S	EUR 1 =	XCD 2.8609	XCD 2.9834	XCD 2.9025	XCD 2.9522
Dominican Republic							
Santo Domingo	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 54.1084	DOP 54.0500	DOP 54.0133	DOP 54.4731
		S	USD 1 =	DOP 55.4002	DOP 55.3574	DOP 55.3515	DOP 55.7231
		B	EUR 1 =	DOP 56.2465	DOP 58.4631	DOP 57.2010	DOP 58.7134
		S	EUR 1 =	DOP 59.9209	DOP 61.9474	DOP 60.6724	DOP 62.2562
Egypt							
Cairo	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 19.34	EGP 30.75	EGP 30.75	EGP 30.75
		S	USD 1 =	EGP 19.41	EGP 30.85	EGP 30.85	EGP 30.85
		B	EUR 1 =	EGP 20.1763	EGP 33.7112	EGP 32.7764	EGP 33.5114
		S	EUR 1 =	EGP 20.4427	EGP 34.0707	EGP 33.1206	EGP 33.8178
El Salvador ¹							
San Salvador	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V	EUR 1 =	SVC 9.2138	SVC 9.6084	SVC 9.3476	SVC 9.5078
Equatorial Guinea ¹							
Malabo	CFA franc XAF	B	USD 1 =	XAF 619.1417	XAF 592.3448	XAF 611.7290	XAF 594.7080
		S	USD 1 =	XAF 626.1757	XAF 595.0857	XAF 612.8034	XAF 599.8034
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara	Nakfa = 100 centes ERN	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.15	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 15.7695	ERN 16.5675	ERN 16.0740	ERN 16.3920
		S	EUR 1 =	ERN 16.4057	ERN 17.2037	ERN 16.7102	ERN 17.0282
Estonia							
Tallinn	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Eswatini ¹							
Mbabane	Lilangeni = 100 cents	B	USD 1 =	SZL 16.3727	SZL 18.2863	SZL 19.7515	SZL 18.7095
		S	USD 1 =	SZL 16.3850	SZL 18.2940	SZL 19.7599	SZL 18.7198
	SZL	B	EUR 1 =	SZL 17.1847	SZL 20.2172	SZL 21.0991	SZL 20.4013
		S	EUR 1 =	SZL 17.2046	SZL 20.2277	SZL 21.1124	SZL 20.4151
Ethiopia							
Addis Ababa	Birr = 100 cents	B	USD 1 =	ETB 51.9141	ETB 54.1696	ETB 54.3041	ETB 54.5943
		S	USD 1 =	ETB 52.9524	ETB 55.2530	ETB 55.3902	ETB 55.6862
	ETB	B	EUR 1 =	ETB 54.5005	ETB 59.7978	ETB 58.2683	ETB 59.7043
		S	EUR 1 =	ETB 55.5905	ETB 60.9938	ETB 59.4337	ETB 60.8984
Falkland Islands (Islas Malvinas)							
Stanley	Falkland Islands pound ² = 100 pence	V	USD 1 =	FKP 0.80984	FKP 0.80184	FKP 0.80881	FKP 0.78988
	FKP	V	EUR 1 =	FKP 0.85276	FKP 0.88050	FKP 0.86405	FKP 0.85828
Fiji							
Suva	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4618	USD 0.4538	USD 0.4487	USD 0.4509
		S	FJD 1 =	USD 0.4449	USD 0.4368	USD 0.4317	USD 0.4339
	FJD	B	FJD 1 =	EUR 0.4372	EUR 0.4093	EUR 0.4156	EUR 0.4126
		S	FJD 1 =	EUR 0.4251	EUR 0.3973	EUR 0.4036	EUR 0.4006
Finland							
Helsinki	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
France							
Paris	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Gabon ¹							
Libreville	CFA franc	B	USD 1 =	XAF 619.1417	XAF 592.3448	XAF 611.7290	XAF 594.7080
		S	USD 1 =	XAF 626.1757	XAF 595.0857	XAF 612.8034	XAF 599.8034
	XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 55.14	GMD 59.84	GMD 59.42	GMD 59.39
		M	EUR 1 =	GMD 59.46	GMD 66.14	GMD 64.61	GMD 65.18
Georgia							
Tbilisi	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.9098	GEL 2.4967	GEL 2.5919	GEL 2.6177
		M	EUR 1 =	GEL 3.0689	GEL 2.7441	GEL 2.7824	GEL 2.8591

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Germany							
Berlin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Ghana							
Accra	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 8.4426	GHS 10.9461	GHS 10.9660	GHS 10.9917
		S	USD 1 =	GHS 8.4511	GHS 10.9571	GHS 10.9770	GHS 11.0027
	B	EUR 1 =	GHS 8.8173	GHS 12.0816	GHS 11.6920	GHS 12.0013	
	GHS	S	EUR 1 =	GHS 8.8260	GHS 12.0936	GHS 11.7036	GHS 12.0132
Gibraltar							
Gibraltar	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.80984	GIP 0.80184	GIP 0.80881	GIP 0.78988
		V	EUR 1 =	GIP 0.85276	GIP 0.88050	GIP 0.86405	GIP 0.85828
Greece							
Athens	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Grenada							
St George's	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	V, B	EUR 1 =	XCD 2.8307	XCD 2.9519	XCD 2.8718	XCD 2.9210	
	XCD	V, S	EUR 1 =	XCD 2.8609	XCD 2.9834	XCD 2.9025	XCD 2.9522
Guatemala							
Guatemala City	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.75578	GTQ 7.80826	GTQ 7.83014	GTQ 7.84576
		V	EUR 1 =	GTQ 8.14131	GTQ 8.57425	GTQ 8.36494	GTQ 8.52520
Guinea							
Conakry	Guinean franc GNF	M	USD 1 =	GNF 8,677.1655	GNF 8,508.2146	GNF 8,509.9961	GNF 8,511.8240
		M	EUR 1 =	GNF 9,119.7462	GNF 9,394.7662	GNF 9,143.1402	GNF 9,310.2308
Guinea-Bissau ¹							
Bissau	CFA franc	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75
		S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75
	XOF	4	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Guyana							
Georgetown	Guyana dollar = 100 cents	B	USD 1 =	GYD 207.98	GYD 207.98	GYD 207.98	GYD 207.98
		S	USD 1 =	GYD 210.45	GYD 210.45	GYD 210.45	GYD 210.45
	B	EUR 1 =	GYD 218.37	GYD 228.30	GYD 222.00	GYD 225.59	
	S	EUR 1 =	GYD 221.18	GYD 231.23	GYD 224.85	GYD 228.49	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the US dollar. ⁴ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Haiti							
Port-au-Prince	Gourde = 100 centimes HTG	M	USD 1 =	HTG 116.5416	HTG 150.7972	HTG 139.3409	HTG 137.7556
		V	EUR 1 =	HTG 122.1069	HTG 165.5904	HTG 148.8579	HTG 149.6852
Honduras							
Tegucigalpa	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.4976	HNL 24.5541	HNL 24.5724	HNL 24.5932
		S	USD 1 =	HNL 24.6486	HNL 24.6769	HNL 24.6953	HNL 24.7162
		V, B	EUR 1 =	HNL 25.7194	HNL 26.9629	HNL 26.2507	HNL 26.7230
		V, S	EUR 1 =	HNL 25.8786	HNL 27.0977	HNL 26.3820	HNL 26.8566
Hong Kong							
Hong Kong	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.79913	HKD 7.81900	HKD 7.80300	HKD 7.80480
		S	USD 1 =	HKD 7.86089	HKD 7.88080	HKD 7.86470	HKD 7.86650
		B	EUR 1 =	HKD 8.16743	HKD 8.55150	HKD 8.28700	HKD 8.42790
		S	EUR 1 =	HKD 8.30988	HKD 8.69440	HKD 8.42950	HKD 8.57060
Hungary							
Budapest	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 373.12	HUF 339.35	HUF 348.05	HUF 342.40
		M	EUR 1 =	HUF 393.01	HUF 372.98	HUF 371.06	HUF 371.13
Iceland							
Reykjavík	Icelandic krona ISK	M	USD 1 =	ISK 135.359	ISK 135.78	ISK 140.13	ISK 136.85
		M	EUR 1 =	ISK 141.900	ISK 149.10	ISK 149.70	ISK 148.70
India ¹							
New Delhi	Indian rupee = 100 paise INR	M	USD 1 =	INR 78.6531	INR 81.7829	INR 82.6773	INR 82.0428
		M	EUR 1 =	INR 82.8923	INR 90.0871	INR 88.3572	INR 89.1258
Indonesia							
Jakarta	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,789.68	IDR 14,677.25	IDR 14,894.16	IDR 14,950.87
		S	USD 1 =	IDR 14,938.32	IDR 14,824.75	IDR 15,043.84	IDR 15,101.13
		B	EUR 1 =	IDR 15,596.28	IDR 16,213.96	IDR 15,920.37	IDR 16,288.97
		S	EUR 1 =	IDR 15,757.15	IDR 16,382.83	IDR 16,086.38	IDR 16,458.72
Iran, Islamic Republic of ¹							
Tehran	Iranian rial = 100 dinars IRR	2	USD 1 =	IRR 42,000	IRR 42,000	IRR 42,000	IRR 42,000
		2	EUR 1 =	IRR 44,192	IRR 46,652	IRR 45,032	IRR 45,708
		3	USD 1 =	IRR 312,767	IRR 546,000	IRR 509,000	IRR 497,000
		3	EUR 1 =	IRR 328,613	IRR 607,500	IRR 543,500	IRR 542,500

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Central bank rate. ³ Bureau de change rate.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Iraq							
Baghdad	Iraqi dinar = 1,000 fils	2 B	USD 1 =	IQD 1,450.00	IQD 1,300.00	IQD 1,300.00	IQD 1,300.00
		2 S	USD 1 =	IQD 1,460.00	IQD 1,310.00	IQD 1,310.00	IQD 1,310.00
	IQD	B	EUR 1 =	IQD 1,520.325	IQD 1,427.530	IQD 1,388.790	IQD 1,423.630
		S	EUR 1 =	IQD 1,530.810	IQD 1,438.511	IQD 1,399.473	IQD 1,434.581
Ireland							
Dublin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Israel							
Jerusalem	New shekel = 100 agorot ILS	M	USD 1 =	ILS 3.3577	ILS 3.6410	ILS 3.7150	ILS 3.7000
		M	EUR 1 =	ILS 3.5456	ILS 4.0021	ILS 3.9672	ILS 4.0185
Italy							
Rome	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Jamaica							
Kingston	Jamaican dollar = 100 cents	B	USD 1 =	JMD 152.5317	JMD 152.4064	JMD 153.4675	JMD 153.2439
		S	USD 1 =	JMD 154.0195	JMD 153.8570	JMD 155.4544	JMD 155.1500
	JMD	B	EUR 1 =	JMD 156.9033	JMD 169.0564	JMD 162.3234	JMD 165.3323
		S	EUR 1 =	JMD 164.3159	JMD 170.6921	JMD 168.0867	JMD 171.4873
Japan							
Tokyo	Japanese yen = 100 sen	B	USD 1 =	JPY 130.62	JPY 133.13	JPY 138.77	JPY 143.99
		S	USD 1 =	JPY 132.62	JPY 135.13	JPY 140.77	JPY 145.99
	JPY	B	EUR 1 =	JPY 137.02	JPY 146.54	JPY 148.54	JPY 156.10
		S	EUR 1 =	JPY 140.02	JPY 149.54	JPY 151.54	JPY 159.10
Jordan							
Amman	Jordanian dinar = 1,000 fils	2 B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
		2 S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
	JOD	B	EUR 1 =	JOD 0.74033	JOD 0.78107	JOD 0.75452	JOD 0.77073
		S	EUR 1 =	JOD 0.74820	JOD 0.78547	JOD 0.76226	JOD 0.77511
Kazakhstan							
Astana	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 460.06	KZT 453.39	KZT 447.08	KZT 454.13
		M	EUR 1 =	KZT 483.87	KZT 498.18	KZT 479.18	KZT 495.68

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Kenya ¹							
Nairobi	Kenya shilling = 100 cents	B	USD 1 =	KES 118.1835	KES 135.8118	KES 138.3912	KES 140.4235
		S	USD 1 =	KES 118.3835	KES 136.0118	KES 138.5912	KES 140.6235
	KES	B	EUR 1 =	KES 124.2511	KES 149.5876	KES 148.4118	KES 152.8524
		S	EUR 1 =	KES 124.4973	KES 149.8553	KES 148.6735	KES 153.1106
Korea, Democratic People's Republic of ¹							
Pyongyang	North Korean won = 100 chon	B	USD 1 =	.	.	.	.
		S	USD 1 =	.	.	.	.
	KPW	B	EUR 1 =	.	.	.	.
		S	EUR 1 =	.	.	.	.
Korea, Republic of							
Seoul	South Korean won = 100 chon	B	USD 1 =	KRW 1,281.21	KRW 1,329.90	KRW 1,312.10	KRW 1,306.10
		S	USD 1 =	KRW 1,306.47	KRW 1,356.10	KRW 1,337.90	KRW 1,331.90
	KRW	B	EUR 1 =	KRW 1,344.59	KRW 1,458.01	KRW 1,402.13	KRW 1,424.52
		S	EUR 1 =	KRW 1,371.74	KRW 1,487.45	KRW 1,430.45	KRW 1,453.28
Kuwait							
Kuwait	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30500	KWD 0.30490	KWD 0.30605	KWD 0.30550
		S	USD 1 =	KWD 0.30889	KWD 0.30850	KWD 0.30965	KWD 0.30960
	KWD	B	EUR 1 =	KWD 0.320336	KWD 0.335969	KWD 0.326938	KWD 0.332766
		S	EUR 1 =	KWD 0.324428	KWD 0.339936	KWD 0.330784	KWD 0.337232
Kyrgyzstan							
Bishkek	Kyrgyz som = 100 tyjyn KGS	M	USD 1 =	KGS 83.9515	KGS 87.5200	KGS 87.5900	KGS 87.2267
		M	EUR 1 =	KGS 88.5146	KGS 96.4645	KGS 93.7607	KGS 95.1905
Lao People's Democratic Republic							
Vientiane	Kip	B	USD 1 =	LAK 14,506	LAK 17,190	LAK 17,736	LAK 19,037
		S	USD 1 =	LAK 14,554	LAK 17,358	LAK 17,849	LAK 19,159
	LAK	B	EUR 1 =	LAK 15,144	LAK 18,927	LAK 18,940	LAK 20,591
		S	EUR 1 =	LAK 15,267	LAK 19,114	LAK 19,127	LAK 20,795
Latvia							
Riga	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Lebanon ¹							
Beirut	Lebanese pound = 100 piastres	2	USD 1 =	LBP 1,507.50	LBP 15,000.00	LBP 15,000.00	LBP 15,000.00
		2	EUR 1 =	LBP 1,588.07	LBP 16,485.00	LBP 16,006.50	LBP 16,395.00
	LBP	3	USD 1 =	LBP 26,433.00	LBP 86,500.00	LBP 86,300.00	LBP 86,200.00
		v	EUR 1 =	LBP 27,637.68	LBP 94,985.65	LBP 92,194.29	LBP 93,664.92

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Official rate. ³ Sayrafa market rate.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Lesotho ¹							
Maseru	Loti = 100 lisente LSL	M	USD 1 =	LSL 16.4312	LSL 18.3611	LSL 19.7468	LSL 18.7546
		M	EUR 1 =	LSL 17.1975	LSL 20.1851	LSL 21.1107	LSL 20.3752
Liberia ¹							
Monrovia	Liberian dollar = 100 cents LRD	B	USD 1 =	LRD 152.4261	LRD 164.0515	LRD 168.1709	LRD 179.0291
		S	USD 1 =	LRD 154.1709	LRD 166.2175	LRD 170.0265	LRD 181.5224
		V, B	EUR 1 =	LRD 160.0355	LRD 180.1450	LRD 179.6570	LRD 194.5330
		V, S	EUR 1 =	LRD 161.8671	LRD 182.5234	LRD 181.6393	LRD 197.2422
Libya							
Tripoli	Libyan dinar = 1,000 dirham LYD	B	USD 1 =	LYD 4.8064	LYD 4.7522	LYD 4.8199	LYD 4.7970
		S	USD 1 =	LYD 4.8305	LYD 4.7760	LYD 4.8441	LYD 4.8211
		B	EUR 1 =	LYD 5.0421	LYD 5.2127	LYD 5.1520	LYD 5.2304
		S	EUR 1 =	LYD 5.0674	LYD 5.2388	LYD 5.1778	LYD 5.2566
Lithuania							
Vilnius	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Macao ¹							
Macao	Pataca = 100 avos MOP	B	USD 1 =	MOP 8.0598	MOP 8.0780	MOP 8.0604	MOP 8.0641
		S	USD 1 =	MOP 8.0860	MOP 8.1042	MOP 8.0866	MOP 8.0903
		B	EUR 1 =	MOP 8.4692	MOP 8.8887	MOP 8.6031	MOP 8.7515
		S	EUR 1 =	MOP 8.5204	MOP 8.9279	MOP 8.6423	MOP 8.7907
Madagascar							
Antananarivo	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 4,107.15	MGA 4,390.36	MGA 4,393.67	MGA 4,510.77
		M	EUR 1 =	MGA 4,306.86	MGA 4,820.30	MGA 4,675.74	MGA 4,883.97
Malawi							
Lilongwe	Malawi kwacha = 100 tambala MWK	B	USD 1 =	MWK 946.8481	MWK 1,016.6212	MWK 1,016.6212	MWK 1,043.0152
		S	USD 1 =	MWK 965.2420	MWK 1,036.2486	MWK 1,036.2486	MWK 1,063.8600
		B	EUR 1 =	MWK 1,005.5700	MWK 1,152.6695	MWK 1,119.6852	MWK 1,166.2662
		S	EUR 1 =	MWK 1,025.1127	MWK 1,174.9236	MWK 1,141.3025	MWK 1,189.5742
Malaysia							
Kuala Lumpur Seat of government: Putrajaya	Malaysian ringgit = 100 sen MYR	B	USD 1 =	MYR 4.3345	MYR 4.3796	MYR 4.5216	MYR 4.6070
		S	USD 1 =	MYR 4.4742	MYR 4.5384	MYR 4.6854	MYR 4.7740
		B	EUR 1 =	MYR 4.5384	MYR 4.8204	MYR 4.8399	MYR 4.9930
		S	EUR 1 =	MYR 4.7256	MYR 5.0201	MYR 5.0404	MYR 5.1999

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Maldives							
Malé	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.39	MVR 15.31	MVR 15.40	MVR 15.38
		V	EUR 1 =	MVR 16.16374	MVR 16.81191	MVR 16.45182	MVR 16.71191
Mali 1							
Bamako	CFA franc XOF	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75
		S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Mauritania							
Nouakchott	Ouguiya MRU	B	USD 1 =	MRU 36.85	MRU 34.14	MRU 34.24	MRU 34.38
		S	USD 1 =	MRU 37.21	MRU 34.49	MRU 34.59	MRU 34.73
		B	EUR 1 =	MRU 38.61	MRU 37.72	MRU 36.55	MRU 37.65
		S	EUR 1 =	MRU 38.99	MRU 38.09	MRU 36.91	MRU 38.02
Mauritius							
Port Louis	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 43.6957	MUR 44.4843	MUR 45.1500	MUR 45.0871
		S	USD 1 =	MUR 44.5951	MUR 45.3836	MUR 46.0493	MUR 45.9864
		B	EUR 1 =	MUR 45.8582	MUR 48.8257	MUR 48.1450	MUR 48.8822
		S	EUR 1 =	MUR 47.1258	MUR 50.1857	MUR 49.4804	MUR 50.2359
Mexico							
Mexico City	Mexican peso = 100 centavos MXN	M	USD 1 =	MXN 20.0794	MXN 17.9882	MXN 17.6886	MXN 17.1453
		V	EUR 1 =	MXN 21.0432	MXN 19.7528	MXN 18.8967	MXN 18.6301
Moldova, Republic of							
Chisinau	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 18.91190	MDL 18.0155	MDL 17.7939	MDL 18.2774
		M	EUR 1 =	MDL 19.86830	MDL 19.8972	MDL 19.0946	MDL 19.9690
Mongolia							
Ulan Bator	Togrog = 100 mongo MNT	M	USD 1 =	MNT 3,164.28	MNT 3,475.70	MNT 3,447.50	MNT 3,432.66
		M	EUR 1 =	MNT 3,322.26	MNT 3,826.40	MNT 3,679.86	MNT 3,726.84
Morocco							
Rabat	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 10.1646	MAD 10.0770	MAD 10.1729	MAD 9.8798
		M	EUR 1 =	MAD 10.6851	MAD 11.0686	MAD 10.8616	MAD 10.8174

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Mozambique							
Maputo	Metical = 100 centavos	B S	USD 1 =	MZN 63.22	MZN 63.25	MZN 63.25	MZN 63.25
			USD 1 =	MZN 64.48	MZN 64.51	MZN 64.52	MZN 64.51
	MZN	B S	EUR 1 =	MZN 66.37	MZN 69.48	MZN 67.52	MZN 68.92
			EUR 1 =	MZN 67.70	MZN 70.87	MZN 68.88	MZN 70.30
Myanmar							
Nay Pyi Taw	Kyat = 100 pyas MMK	M M	USD 1 =	MMK 1,936.17	MMK 2,100.00	MMK 2,100.00	MMK 2,100.00
			EUR 1 =	MMK 2,030.23	MMK 2,306.90	MMK 2,241.50	MMK 2,277.90
Namibia 1							
Windhoek	Namibia dollar = 100 cents NAD	M M	USD 1 =	NAD 16.3860	NAD 18.3542	NAD 19.7444	NAD 18.7466
			EUR 1 =	NAD 17.1944	NAD 20.2082	NAD 21.1152	NAD 20.3755
Nepal							
Kathmandu	Nepalese rupee = 100 paisa	B S	USD 1 =	NPR 125.93	NPR 130.63	NPR 132.04	NPR 131.00
			USD 1 =	NPR 126.53	NPR 131.23	NPR 132.64	NPR 131.60
	NPR	B S	EUR 1 =	NPR 132.44	NPR 143.54	NPR 141.69	NPR 143.08
			EUR 1 =	NPR 133.07	NPR 144.20	NPR 142.34	NPR 143.73
Netherlands							
Amsterdam Seat of government: The Hague	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
New Caledonia 1							
Nouméa	CFP franc XPF	V 2	XPF 1,000 =	USD 8.82	USD 9.20	USD 8.95	USD 9.11
			XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38
New Zealand							
Wellington	New Zealand dollar = 100 cents	B S	NZD 1 =	USD 0.6250	USD 0.6269	USD 0.6116	USD 0.6208
			NZD 1 =	USD 0.6015	USD 0.6033	USD 0.5885	USD 0.5974
	NZD	B S	NZD 1 =	EUR 0.6136	EUR 0.5692	EUR 0.5719	EUR 0.5712
			NZD 1 =	EUR 0.5904	EUR 0.5477	EUR 0.5502	EUR 0.5496
Nicaragua							
Managua	Córdoba = 100 centavos NIO	M V	USD 1 =	NIO 35.9031	NIO 36.3805	NIO 36.4113	NIO 36.4411
			EUR 1 =	NIO 37.69085	NIO 39.94943	NIO 38.89819	NIO 39.59690

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month			
					April 2023	May 2023	June 2023	
Niger ¹								
Niamey	CFA franc	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75	
		S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75	
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
Nigeria ¹								
Abuja	Naira = 100 kobo	B	USD 1 =	NGN 423.217	NGN 459.810	NGN 460.760	NGN 769.880	1
		S	USD 1 =	NGN 424.509	NGN 460.810	NGN 461.760	NGN 770.880	1
	B	EUR 1 =	NGN 445.0897	NGN 505.0093	NGN 492.5064	NGN 839.7851	1	
	S	EUR 1 =	NGN 446.4515	NGN 506.1076	NGN 493.5753	NGN 840.8759	1	
North Macedonia								
Skopje	North Macedonia denar = 100 deni	B	USD 1 =	MKD 58.3798	MKD 55.4315	MKD 56.9504	MKD 56.0650	
		S	USD 1 =	MKD 58.9665	MKD 55.9886	MKD 57.5228	MKD 56.6284	
	B	EUR 1 =	MKD 61.3099	MKD 61.2074	MKD 61.1875	MKD 61.3238		
	S	EUR 1 =	MKD 61.9261	MKD 61.8226	MKD 61.8025	MKD 61.9402		
Norway								
Oslo	Norwegian krone = 100 øre	B	USD 1 =	NOK 9.5924	NOK 10.6108	NOK 11.1999	NOK 10.7472	
		S	USD 1 =	NOK 9.6684	NOK 10.6868	NOK 11.2759	NOK 10.8232	
	B	EUR 1 =	NOK 10.0833	NOK 11.7007	NOK 11.9636	NOK 11.6822		
	S	EUR 1 =	NOK 10.1683	NOK 11.7857	NOK 12.0486	NOK 11.7672		
Oman								
Muscat	Rial Omani = 1,000 baisa	3 B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840	
		3 S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850	
	B	EUR 1 =	OMR 0.4035168	OMR 0.4227840	OMR 0.4107648	OMR 0.4187520		
	S	EUR 1 =	OMR 0.4046254	OMR 0.4245780	OMR 0.4118730	OMR 0.4198810		
Pakistan								
Islamabad	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 205.12	PKR 283.85	PKR 285.30	PKR 286.60	
		S	USD 1 =	PKR 205.62	PKR 284.35	PKR 285.80	PKR 287.10	
	B	EUR 1 =	PKR 215.59	PKR 313.41	PKR 305.85	PKR 313.72		
	S	EUR 1 =	PKR 216.12	PKR 313.96	PKR 306.38	PKR 314.27		
Panama ¹								
Panama City	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1	
		V	EUR 1 =	PAB 1.0530	PAB 1.0981	PAB 1.0683	PAB 1.0866	
Papua New Guinea								
Port Moresby	Kina = 100 toea	B	PGK 1 =	USD 0.2916	USD 0.2915	USD 0.2895	USD 0.2875	
		S	PGK 1 =	USD 0.2766	USD 0.2765	USD 0.2745	USD 0.2725	
	B	EUR 1 =	EUR 0.2711	EUR 0.2581	EUR 0.2633	EUR 0.2582		
	S	EUR 1 =	EUR 0.2561	EUR 0.2431	EUR 0.2483	EUR 0.2432		

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro. ³ Value against the US dollar. ⁴ Parity in relation to the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Paraguay							
Asunción	Guaraní = 100 céntimos	B S	USD 1 =	PYG 6,980.58	PYG 7,220.44	PYG 7,270.10	PYG 7,258.03
			USD 1 =	PYG 6,993.10	PYG 7,227.53	PYG 7,277.27	PYG 7,262.60
	PYG	V, B V, S	EUR 1 = EUR 1 =	PYG 7,349.72 PYG 7,362.88	PYG 7,928.77 PYG 7,936.55	PYG 7,766.65 PYG 7,774.31	PYG 7,886.58 PYG 7,891.54
Peru							
Lima	Sol = 100 céntimos	B S	USD 1 =	PEN 3.831	PEN 3.711	PEN 3.675	PEN 3.624
			USD 1 =	PEN 3.839	PEN 3.719	PEN 3.682	PEN 3.633
	PEN	B S	EUR 1 =	PEN 3.908	PEN 4.105	PEN 3.914	PEN 3.954
			EUR 1 =	PEN 4.313	PEN 4.214	PEN 4.280	PEN 3.984
Philippines							
Manila	Philippine peso = 100 centavos	B S	USD 1 =	PHP 54.25	PHP 55.00	PHP 55.95	PHP 55.15
			USD 1 =	PHP 54.75	PHP 55.50	PHP 56.45	PHP 55.65
	PHP	B S	EUR 1 = EUR 1 =	PHP 55.5211 PHP 58.7388	PHP 59.3841 PHP 62.4656	PHP 58.9816 PHP 61.6511	PHP 58.8797 PHP 61.5438
Poland							
Warsaw	Polish zloty = 100 groszy PLN	M M	USD 1 =	PLN 4.4615	PLN 4.1753	PLN 4.2559	PLN 4.1066
			EUR 1 =	PLN 4.6883	PLN 4.5889	PLN 4.5376	PLN 4.4503
Portugal							
Lisbon	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Qatar							
Doha	Qatari riyal = 100 dirham QAR	2 V	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
			EUR 1 =	QAR 3.8219	QAR 3.9971	QAR 3.8886	QAR 3.9552
Romania							
Bucharest	Romanian leu = 100 bani RON	M M	USD 1 =	RON 4.6923	RON 4.4915	RON 4.6562	RON 4.5750
			EUR 1 =	RON 4.9335	RON 4.9353	RON 4.9696	RON 4.9634
Russian Federation							
Moscow	Russian rouble = 100 kopecks RUB	M 3	USD 1 =	RUB 68.3522	RUB 80.5093	RUB 80.6872	RUB 87.0341
			EUR 1 =	RUB 70.4832	RUB 88.3712	RUB 86.5119	RUB 96.0195

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against

the US dollar. 3 Indicative rate; according to the Bank of Russia, calculated on the basis of their established official RUB/USD rates and USD/EUR market rates.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Rwanda							
Kigali	Rwanda franc = 100 centimes	B	USD 1 =	RWF 1,021.528453	RWF 1,104.471335	RWF 1,120.374832	RWF 1,153.025405
		S	USD 1 =	RWF 1,041.956959	RWF 1,126.558531	RWF 1,142.780066	RWF 1,176.083585
	RWF	B	EUR 1 =	RWF 1,075.04828	RWF 1,216.24383	RWF 1,198.46496	RWF 1,252.64680
		S	EUR 1 =	RWF 1,096.54708	RWF 1,240.56625	RWF 1,222.43184	RWF 1,277.69721
Saint Helena, Ascension and Tristan da Cunha							
Jamestown	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.80984	SHP 0.80184	SHP 0.80881	SHP 0.78988
		V	EUR 1 =	SHP 0.85276	SHP 0.88050	SHP 0.86405	SHP 0.85828
Saint Kitts and Nevis							
Basseterre	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.8307	XCD 2.9519	XCD 2.8718	XCD 2.9210
		V, S	EUR 1 =	XCD 2.8609	XCD 2.9834	XCD 2.9025	XCD 2.9522
Saint Lucia							
Castries	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.8307	XCD 2.9519	XCD 2.8718	XCD 2.9210
		V, S	EUR 1 =	XCD 2.8609	XCD 2.9834	XCD 2.9025	XCD 2.9522
Saint Vincent and the Grenadines							
Kingstown	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.8307	XCD 2.9519	XCD 2.8718	XCD 2.9210
		V, S	EUR 1 =	XCD 2.8609	XCD 2.9834	XCD 2.9025	XCD 2.9522
Samoa							
Apia	Tala = 100 sene WST	M	WST 1 =	USD 0.37137	USD 0.36507	USD 0.36196	USD 0.36352
		M	WST 1 =	EUR 0.35358	EUR 0.33109	EUR 0.33744	EUR 0.33450
Sao Tome and Principe							
São Tomé	Dobra = 100 cêntimos	B	USD 1 =	STN 23.3986	STN 22.1880	STN 22.8034	STN 22.3990
		S	USD 1 =	STN 23.7496	STN 22.5208	STN 23.1455	STN 22.7350
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh	Saudi riyal = 100 halalah SAR	3	USD 1 =	SAR 3.75	SAR 3.75	SAR 3.75	SAR 3.75
		V	EUR 1 =	SAR 3.94893	SAR 4.11788	SAR 4.00613	SAR 4.07475

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Parity in relation to the pound sterling. 3 Value against the US dollar. 4 Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Senegal ¹							
Dakar	CFA franc	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75
		S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Serbia							
Belgrade	Serbian dinar = 100 para	B	USD 1 =	RSD 111.4415	RSD 106.1366	RSD 109.3042	RSD 107.4941
		S	USD 1 =	RSD 112.1122	RSD 106.7754	RSD 109.9620	RSD 108.1411
		B	EUR 1 =	RSD 117.1136	RSD 116.9201	RSD 116.9227	RSD 116.8784
	RSD	S	EUR 1 =	RSD 117.8184	RSD 117.6237	RSD 117.6263	RSD 117.5818
Seychelles							
Victoria	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.9344	SCR 13.5819	SCR 13.6235	SCR 13.5648
		S	USD 1 =	SCR 14.4945	SCR 14.0384	SCR 13.9824	SCR 13.9968
		B	EUR 1 =	SCR 14.6660	SCR 14.7532	SCR 14.3311	SCR 14.9223
	SCR	S	EUR 1 =	SCR 15.3796	SCR 15.3502	SCR 15.1455	SCR 15.3973
Sierra Leone ¹							
Freetown	Leone = 100 cents	B	USD 1 =	SLE 14.2462 ³	SLE 22.1288	SLE 22.4671	SLE 18.8279 ¹
		S	USD 1 =	SLE 14.4514 ³	SLE 22.3512	SLE 22.6929	SLE 19.0171 ¹
		B	EUR 1 =	SLE 14.9589 ³	SLE 24.3056	SLE 23.9802	SLE 20.4329 ¹
	SLE	S	EUR 1 =	SLE 15.1726 ³	SLE 24.5467	SLE 24.2145	SLE 20.6326 ¹
Singapore ¹							
Singapore	Singapore dollar = 100 cents	M	USD 1 =	SGD 1.3781	SGD 1.3340	SGD 1.3539	SGD 1.3557
		M	EUR 1 =	SGD 1.4496	SGD 1.4701	SGD 1.4483	SGD 1.4739
	SGD						
Sint Maarten (southern part)							
Philipsburg	Netherlands Antillean guilder = 100 cents	4 B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		4 S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
		B	EUR 100 =	ANG 187.16	ANG 195.68	ANG 190.25	ANG 193.26
	ANG	S	EUR 100 =	ANG 190.93	ANG 199.63	ANG 194.09	ANG 197.16
Slovakia							
Bratislava	Euro = 100 cent	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
	EUR						
Slovenia							
Ljubljana	Euro = 100 cent	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
	EUR						
Solomon Islands							
Honiara	Solomon Islands dollar = 100 cents	M	SBD 1 =	USD 0.1224	USD 0.1200	USD 0.1199	USD 0.1194
		M	SBD 1 =	EUR 0.11647	EUR 0.10890	EUR 0.11180	EUR 0.10980
	SBD						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro. ³ To calculate the annual average for 2022, the exchange rates set in (old)

leone were converted at a rate of 1,000:1 and included in the calculation. ⁴ Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Somalia ¹							
Mogadishu	Somali shilling	M	USD 1 =	.	.	.	.
	SOS	M	EUR 1 =	.	.	.	.
South Africa							
Pretoria Seat of parliament: Cape Town	South African rand = 100 cents	B	USD 1 =	ZAR 16.1790	ZAR 18.1729	ZAR 19.4996	ZAR 18.6765
		S	USD 1 =	ZAR 16.5462	ZAR 18.5379	ZAR 19.8621	ZAR 19.0433
	ZAR	B	EUR 1 =	ZAR 16.9056	ZAR 19.8619	ZAR 20.7131	ZAR 20.2536
		S	EUR 1 =	ZAR 17.5219	ZAR 20.5215	ZAR 21.3770	ZAR 20.9175
South Sudan							
Juba	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 543.6821	SSP .	SSP 962.5650	SSP 988.1969
		M	EUR 1 =	SSP 567.6622	SSP .	SSP 1,029.0308	SSP 1,076.9385
Spain							
Madrid	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0530	USD 1.0981	USD 1.0683	USD 1.0866
Sri Lanka							
Colombo	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 322.6410	LKR 313.9239	LKR 287.8711	LKR 301.1590
		S	USD 1 =	LKR 332.4230	LKR 328.7514	LKR 300.9210	LKR 316.6728
	LKR	B	EUR 1 =	LKR 336.5339	LKR 344.9998	LKR 306.7422	LKR 328.7852
		S	EUR 1 =	LKR 349.6294	LKR 363.6566	LKR 323.7015	LKR 347.5262
Sudan							
Khartoum	Sudanese pound = 100 piastres	B	USD 1 =	SDG 550.4849	SDG .	SDG .	SDG .
		S	USD 1 =	SDG 555.4137	SDG .	SDG .	SDG .
	SDG	B	EUR 1 =	SDG 576.4179	SDG .	SDG .	SDG .
		S	EUR 1 =	SDG 581.9707	SDG .	SDG .	SDG .
Suriname							
Paramaribo	Suriname dollar = 100 cents	B	USD 1 =	SRD 24.865	SRD 37.077	SRD 37.770	SRD 37.441
		S	USD 1 =	SRD 25.202	SRD 37.595	SRD 37.816	SRD 37.587
	SRD	B	EUR 1 =	SRD 25.760	SRD 40.662	SRD 40.214	SRD 40.385
		S	EUR 1 =	SRD 26.367	SRD 41.493	SRD 40.268	SRD 40.914
Sweden							
Stockholm	Swedish krona = 100 öre SEK	M	USD 1 =	SEK 10.1246	SEK 10.2885	SEK 10.8339	SEK 10.8509
		M	EUR 1 =	SEK 10.6623	SEK 11.3228	SEK 11.6698	SEK 11.7917

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Switzerland							
Berne	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9550	CHF 0.8960	CHF 0.9114	CHF 0.9011
		B	EUR 1 =	CHF 1.0022	CHF 0.9845	CHF 0.9715	CHF 0.9767
Syrian Arab Republic ¹							
Damascus	Syrian pound = 100 piastres SYP	2 B	USD 1 =	SYP 2,791.67	SYP 6,500.00	SYP 6,500.00	SYP 6,500.00
		2 S	USD 1 =	SYP 2,819.58	SYP 6,565.00	SYP 6,565.00	SYP 6,565.00
		2 B	EUR 1 =	SYP 2,924.92	SYP 7,159.00	SYP 6,951.00	SYP 7,102.00
		2 S	EUR 1 =	SYP 2,954.17	SYP 7,230.59	SYP 7,020.51	SYP 7,173.02
Tajikistan							
Dushanbe	Somoni = 100 diram TJS	M	USD 1 =	TJS 11.0237	TJS 10.9142	TJS 10.9137	TJS 10.9140
		M	EUR 1 =	TJS 11.6340	TJS 11.9827	TJS 11.7159	TJS 11.9083
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,292.0223	TZS 2,301.9505	TZS 2,307.6733	TZS 2,315.9406
		S	USD 1 =	TZS 2,314.9425	TZS 2,324.9700	TZS 2,330.7500	TZS 2,339.1000
		B	EUR 1 =	TZS 2,411.5148	TZS 2,534.6777	TZS 2,477.5180	TZS 2,530.8599
		S	EUR 1 =	TZS 2,436.4017	TZS 2,560.9545	TZS 2,502.5263	TZS 2,557.1041
Thailand							
Bangkok	Thai baht = 100 satang THB	B	USD 1 =	THB 34.9309	THB 33.9732	THB 34.5684	THB 35.4297
		S	USD 1 =	THB 35.2606	THB 34.3005	THB 34.8953	THB 35.7489
		B	EUR 1 =	THB 36.5572	THB 37.2458	THB 36.7947	THB 38.2950
		S	EUR 1 =	THB 37.2970	THB 37.9764	THB 37.5449	THB 39.0074
Togo ¹							
Lomé	CFA franc XOF	B	USD 1 =	XOF 621.10	XOF 592.75	XOF 610.75	XOF 600.75
		S	USD 1 =	XOF 628.10	XOF 599.75	XOF 617.75	XOF 607.75
		3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4289	USD 0.4234	USD 0.4202	USD 0.4223
		M	TOP 1 =	EUR 0.4063	EUR 0.3830	EUR 0.3908	EUR 0.3867
Trinidad and Tobago							
Port-of-Spain	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7071	TTD 6.6950	TTD 6.6984	TTD 6.7217
		S	USD 1 =	TTD 6.7696	TTD 6.7668	TTD 6.7786	TTD 6.7768
		B	EUR 1 =	TTD 7.0698	TTD 7.3465	TTD 7.2307	TTD 7.3650
		S	EUR 1 =	TTD 7.5865	TTD 8.3285	TTD 7.5865	TTD 7.8965

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Bank rate. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Tunisia							
Tunis	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 3.0727	TND 3.0439	TND 3.1192	TND 3.0951
		S	USD 1 =	TND 3.0757	TND 3.0470	TND 3.1224	TND 3.0981
	TND	B	EUR 1 =	TND 3.2295	TND 3.3513	TND 3.3279	TND 3.3770
		S	EUR 1 =	TND 3.2327	TND 3.3547	TND 3.3313	TND 3.3803
Turkey							
Ankara	Turkish lira = 100 kuruş	B	USD 1 =	TRY 16.5529	TRY 19.4103	TRY 20.3104	TRY 25.8231
		S	USD 1 =	TRY 16.5827	TRY 19.4453	TRY 20.3470	TRY 25.8696
	TRY	B	EUR 1 =	TRY 17.4960	TRY 21.4403	TRY 21.7607	TRY 28.1540
		S	EUR 1 =	TRY 17.5275	TRY 21.4790	TRY 21.7999	TRY 28.2048
Turkmenistan ¹							
Ashgabat	Turkmen manat = 100 tenge	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 3.6870	TMT 3.8455	TMT 3.7499	TMT 3.8126
	TMT						
Uganda							
Kampala	Uganda shilling	B	USD 1 =	UGX 3,706.26	UGX 3,730.54	UGX 3,763.21	UGX 3,662.13
		S	USD 1 =	UGX 3,716.26	UGX 3,740.54	UGX 3,772.79	UGX 3,672.13
	UGX	B	EUR 1 =	UGX 3,882.75	UGX 4,108.07	UGX 4,024.00	UGX 3,980.37
		S	EUR 1 =	UGX 3,893.24	UGX 4,119.08	UGX 4,034.24	UGX 3,991.24
Ukraine							
Kyiv	Hryvnia = 100 kopyok	M	USD 1 =	UAH 32.4179	UAH 36.5686	UAH 36.5686	UAH 36.5686
		M	EUR 1 =	UAH 34.0188	UAH 40.3461	UAH 39.2802	UAH 40.0006
	UAH						
United Arab Emirates ¹							
Abu Dhabi	United Arab Emirates dirham = 100 fils	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V	EUR 1 =	AED 3.8561	AED 4.0328	AED 3.9233	AED 3.9905
	AED						
United Kingdom ¹							
London	Pound sterling = 100 pence	M	GBP 1 =	USD 1.2362	USD 1.2566	USD 1.2394	USD 1.2714
		M	EUR 1 =	GBP 0.8548	GBP 0.8783	GBP 0.8603	GBP 0.8581
	GBP						
United States							
Washington	US dollar = 100 cents	M	EUR 1 =	USD 1.05281	USD 1.1020	USD 1.0688	USD 1.0910
		M	GBP 1 =	USD 1.23635	USD 1.2572	USD 1.2437	USD 1.2704
	USD						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2022	Rate at end of month		
					April 2023	May 2023	June 2023
Uruguay							
Montevideo	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 41.126	UYU 38.783	UYU 38.779	UYU 37.408
		M	EUR 1 =	UYU 43.3572	UYU 42.7272	UYU 41.3849	UYU 40.8159
Uzbekistan							
Tashkent	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 11,046.36	UZS 11,390.24	UZS 11,405.84	UZS 11,488.12
		M	EUR 1 =	UZS 11,628.35	UZS 12,572.55	UZS 12,225.92	UZS 12,518.60
Vanuatu							
Port Vila	Vatu VUV	B	USD 1 =	VUV 114.46	VUV 116.43	VUV 117.86	VUV 116.86
		S	USD 1 =	VUV 121.75	VUV 123.83	VUV 125.36	VUV 124.29
		B	EUR 1 =	VUV 121.15	VUV 129.39	VUV 127.47	VUV 127.94
		S	EUR 1 =	VUV 126.04	VUV 134.61	VUV 132.62	VUV 133.11
Venezuela, Bolivarian Republic of ¹							
Caracas	Bolívar = 100 céntimos VES	B	USD 1 =	VES 7.269381	VES 24.688424	VES 26.201333	VES 27.946160
		S	USD 1 =	VES 7.287600	VES 24.750300	VES 26.267000	VES 28.016200
		B	EUR 1 =	VES 7.602909	VES 27.250589	VES 27.929310	VES 30.498762
		S	EUR 1 =	VES 7.621964	VES 27.318886	VES 27.999309	VES 30.575200
Viet Nam							
Hanoi	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,307	VND 23,290	VND 23,320	VND 23,410
		S	USD 1 =	VND 23,590	VND 23,630	VND 23,660	VND 23,750
		B	EUR 1 =	VND 24,239.45	VND 25,413.40	VND 24,733.89	VND 25,179.16
		S	EUR 1 =	VND 25,356.99	VND 26,568.08	VND 25,857.64	VND 26,322.97
Yemen ¹							
Sana'a	Yemeni rial = 100 fils YER	B	USD 1 =	.	.	.	.
		S	USD 1 =	.	.	.	.
		B	EUR 1 =	.	.	.	.
		S	EUR 1 =	.	.	.	.
Zambia							
Lusaka	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 17.0151	ZMW 17.7114	ZMW 19.4939	ZMW 17.5390
		S	USD 1 =	ZMW 17.0644	ZMW 17.7556	ZMW 19.5418	ZMW 17.5885
		B	EUR 1 =	ZMW 17.8910	ZMW 19.4931	ZMW 20.8214	ZMW 19.1122
		S	EUR 1 =	ZMW 17.9480	ZMW 19.5436	ZMW 20.8804	ZMW 19.1680
Zimbabwe ¹							
Harare	Zimbabwe dollar = 100 cents ZWL	²	USD 1 =	ZWL 532.13706 ³	ZWL 1,047.44490	ZWL 2,577.05640 ¹	ZWL 5,739.79610 ¹
		²	EUR 1 =	ZWL 545.09904 ³	ZWL 1,153.97850	ZWL 2,755.14345 ¹	ZWL 6,241.47120 ¹

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Interbank rate. ³ Average from May to December 2022.

IV. Overview of world currencies*

2. Exchange rates of the US dollar against major currencies



* See Explanatory notes, p. 50. ¹ Calculated on the basis of national central banks' daily rates.

V. Value of the special drawing right in selected currencies *

SDR 1 = CU ... , year-end and month-end data as well as daily data

Period	US dollar USD	Euro EUR	Chinese yuan (renminbi) CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
2008	1.54027	1.10675	10.52710	140.464	1.056570	1.88621	1.63839	8.18003	10.78020	12.0833
2009	1.56769	1.08822	10.70450	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.19950	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.76930	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.20690	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.092780	1.80503	1.36826	9.48128	11.58810	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.054020	1.78837	1.38967	8.84056	11.68500	11.7238
2018	1.39079	1.21424	9.53107	154.141	1.095500	1.89153	1.36451	9.06709	12.11060	12.4768
2019	1.38283	1.23588	9.66184	150.894	1.053860	1.80583	1.34362	9.23156	12.16850	12.8879
2020	1.44027	1.18385	9.41203	149.255	1.073230	1.85161	1.28162	8.80553	12.57700	11.9614
2021	1.39959	1.23748	8.91599	159.848	1.041830	1.79808	1.28791	9.20217	12.38880	12.7593
2022	1.33084	1.25291	9.29731	176.537	1.102790	1.81035	1.23808	9.31203	13.08650	13.9407
2021 July	1.42877	1.20156	9.22526	156.450	1.022890	1.78053	1.29325	8.93711	12.54490	12.2277
Aug.	1.42426	1.20353	9.20073	156.483	1.034390	1.80170	1.29325	8.94943	12.34820	12.2378
Sep.	1.40887	1.21675	9.10606	157.667	1.048660	1.80099	1.31934	9.04781	12.36820	12.3855
Oct.	1.41538	1.21544	9.04486	160.858	1.026830	1.75281	1.28948	9.04159	11.85000	12.0583
Nov.	1.40080	1.23277	8.92530	159.411	1.049950	1.79190	1.28712	9.16792	12.67230	12.6469
Dec.	1.39959	1.23748	8.91599	159.848	1.041830	1.79808	1.28791	9.20217	12.38880	12.7593
2022 Jan.	1.39178	1.24756	8.85089	160.653	1.038330	1.77021	1.29986	9.28428	12.48620	13.0564
Feb.	1.39486	1.24553	8.80282	161.176	1.041370	1.77120	1.28565	9.26715	12.38860	13.2894
Mar.	1.38240	1.24529	8.76816	169.206	1.053220	1.72745	1.27886	9.26235	12.09310	12.8067
Apr.	1.34430	1.27543	8.85442	174.625	1.069500	1.71963	1.30471	9.49109	12.43860	13.1293
May	1.34970	1.25987	8.99062	173.032	1.072130	1.70710	1.29578	9.37269	12.72250	13.2277
June	1.32778	1.27831	8.88920	181.415	1.096520	1.71098	1.27374	9.50959	13.22850	13.5691
July	1.32360	1.29790	8.90599	176.039	1.086520	1.69738	1.25954	9.66137	12.87810	13.4163
Aug.	1.30134	1.30134	8.97070	180.379	1.120300	1.70619	1.27545	9.67820	12.93380	13.8835
Sep.	1.27988	1.31297	9.08174	185.250	1.156590	1.74885	1.25364	9.76381	13.89620	14.2357
Oct.	1.28329	1.29443	9.35891	190.236	1.112280	1.75157	1.28310	9.63623	13.33620	14.1058
Nov.	1.31484	1.26719	9.39038	182.500	1.094700	1.77609	1.24864	9.42356	13.00750	13.8837
Dec.	1.33084	1.25291	9.29731	176.537	1.102790	1.81035	1.23808	9.31203	13.08650	13.9407
2023 Jan.	1.34847	1.24478	9.10606	175.854	1.094180	1.80021	1.24976	9.25969	13.57840	14.0447
Feb.	1.32879	1.25133	9.22824	181.100	1.098620	1.80834	1.24633	9.31532	13.72870	13.8066
Mar.	1.34523	1.23699	9.23975	179.561	1.087010	1.82050	1.23405	9.21379	14.09430	13.9284
Apr.	1.34701	1.22667	9.32557	180.566	1.080760	1.82897	1.20638	9.14336	14.46360	13.8587
May	1.32746	1.24260	9.43663	185.579	1.073650	1.80575	1.20872	9.25480	14.91670	14.3816
June	1.33007	1.22407	9.65670	192.701	1.051690	1.76102	1.19833	9.05633	14.32650	14.4325
2023 May 24	1.33303	1.23600	9.40088	184.491	1.077020	1.81052	1.20425	9.20531	14.60640	14.1562
25	1.33042	1.23933	9.40504	185.488	1.076440	1.81310	1.20536	9.23327	14.58640	14.2339
26	1.33162	1.23860	9.38218	186.161	1.075800	1.81407	1.20199	9.22628	14.64250	14.2742
30	1.33088	1.23872	9.43761	186.616	1.070830	1.80973	1.20098	9.22671	14.70910	14.3419
31	1.32746	1.24260	9.43663	185.579	1.073650	1.80575	1.20872	9.25480	14.91670	14.3816
June 1	1.32998	1.24332	9.47230	185.466	1.066800	1.79308	1.20796	9.25986	14.87880	14.3631
2	1.33415	1.23957	9.43752	185.114	1.064940	1.79243	1.20814	9.23327	14.68270	14.3848
5	1.32815	1.24242	9.45403	186.127	1.071820	1.78424	1.20981	9.26793	14.69480	14.4288
6	1.32909	1.24412	9.46163	185.462	1.070550	1.78351	1.20622	9.26793	14.77700	14.4288
7	1.33023	1.24123	9.47867	185.500	1.068070	1.77931	1.20465	9.24642	14.64340	14.5068
8	1.33009	1.23879	9.48425	186.040	1.067060	1.77674	1.20952	9.22867	14.56570	14.4693
9	1.33210	1.23571	9.48758	185.241	1.061770	1.76965	1.20135	9.22628	14.40410	14.4203
12	1.33282	1.23810	9.51928	185.755	1.059770	1.78145	1.20627	9.20624	14.35900	14.3336
13	1.33331	1.23534	9.53289	186.196	1.060790	1.77463	1.20824	9.19676	14.16120	14.2523
14	1.33381	1.23398	9.55073	186.773	1.055020	1.77356	1.20409	9.19676	14.18950	14.3370
15	1.33463	1.23360	9.54681	187.221	1.053420	1.76865	1.20190	9.19320	14.08220	14.2182
16	1.34085	1.22273	9.55155	187.839	1.048110	1.76965	1.19610	9.10996	14.33870	14.3498
20	1.33810	1.22391	9.59739	190.251	1.048220	1.77178	1.20115	9.11702	14.37610	14.4374
21	1.33676	1.22380	9.61622	189.285	1.052280	1.76225	1.19988	9.11469	14.15780	14.3297
22	1.34084	1.22061	9.61622	190.238	1.046310	1.76455	1.19744	9.09182	14.52530	14.3297
23	1.33339	1.22509	9.61622	190.781	1.048300	1.75994	1.19912	9.12509	14.30940	14.3068
26	1.33438	1.22218	9.65437	191.390	1.049830	1.75484	1.19154	9.10009	14.34570	14.2704
27	1.33629	1.22025	9.63400	191.678	1.049470	1.76057	1.19485	9.08777	14.45110	14.3094
28	1.33507	1.22058	9.66081	192.130	1.051940	1.76950	1.19602	9.08959	14.34670	14.3496
29	1.33388	1.21949	9.65624	192.412	1.053950	1.76806	1.19482	9.08224	14.32650	14.4325
30	1.33007	1.22407	9.65670	192.701	1.051690	1.76102	1.19833	9.05633	14.32650	14.4325
July 5	1.33221	1.22457	9.64860	192.504	1.049060	1.76824	1.19692	9.12084	14.26070	14.4440
6	1.33356	1.22356	9.66557	192.500	1.044170	1.78004	1.19494	9.11461	14.23860	14.5899
7	1.33415	1.22534	9.66380	192.251	1.045410	1.77349	1.19453	9.13067	14.37000	14.5984
10	1.33736	1.22066	9.67230	190.573	1.045910	1.77654	1.19005	9.09537	14.11510	14.4922
11	1.34229	1.22149	9.66959	189.827	1.039610	1.77988	1.18350	9.10357	13.98850	14.3856
12	1.34376	1.21916	9.66053	187.898	1.040180	1.77215	1.18029	9.08571	13.81420	14.3150
13	1.35184	1.20894	9.67764	187.297	1.034620	1.77469	1.16657	9.00941	13.59810	14.0193
14	1.35451	1.20712	9.66585	186.245	1.033150	1.78565	1.16366	8.99111	13.53230	13.8597

Source: IMF, Washington. * See Explanatory notes, pp. 50-51. 1 ISO currency code: XDR.

VI. Global exchange rate arrangements and monetary policy framework *

As of end-April 2021

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	Exchange rate anchor						
	US dollar	Euro	Composite	Other			
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste	Andorra ² Kosovo Montenegro San Marino		Kiribati Nauru Tuvalu			
Currency board	Djibouti Hong Kong ECCU ⁴ Antigua & Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria ³		Brunei Darussalam			
Conventional peg	Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Iraq Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates	Cabo Verde Comoros Denmark ³ Sao Tome and Principe WAEMU ⁶ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁷ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Libya	Bhutan Eswatini Lesotho Namibia Nepal	Samoa ⁵		
Stabilised arrangement	Cambodia Guyana Iran, Islamic Republic of ⁸ Lebanon Maldives Trinidad and Tobago	Croatia ³ North Macedonia	Singapore		Algeria ⁸ Bangladesh ⁸ Bolivia, Plurinational State of ⁸ Gambia ^{8,11} Nigeria ⁸ Papua New Guinea ⁸ Suriname ⁸ Tajikistan ^{8,9} Tanzania, United Republic of ⁸	Guatemala ⁸ Serbia	Azerbaijan ⁸ Egypt ^{8,9,10} Mongolia ⁹ Sudan ^{8,10}
Crawling peg	Honduras Nicaragua		Botswana				
Pegged exchange rate within horizontal bands			Morocco				

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2021, Table 4, IMF, Washington. * See Explanatory notes, pp. 51-52. ¹ Includes countries that have no explicitly stated nominal anchor, but rather monitor various indicators in conducting monetary policy. ² IMF-member since 16 October 2020. ³ The member parti-

cipates in ERM II. ⁴ The members participate in the Eastern Caribbean Currency Union. ⁵ The country maintains a de facto exchange rate anchor to a composite. ⁶ The members participate in the West African Economic and Monetary Union. ⁷ The members participate in the Central African Economic and Monetary Community. ⁸ The

VI. Global exchange rate arrangements and monetary policy framework *

As of end-April 2021

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	Exchange rate anchor						
	US dollar	Euro	Composite	Other			
Crawl-like-arrangement			Viet Nam ⁸		Afghanistan ⁸ Burundi ⁸ China ⁵ Congo, Democratic Republic of the ^{8,10,11} Ethiopia ^{8,10,11} Guinea ^{8,10,11} Rwanda ⁸	Costa Rica Dominican Republic ⁸ Ghana ⁸ Philippines ⁸ Romania ¹² Uzbekistan ⁸	Argentina ⁸ Lao People's Democratic Republic ⁸ Malawi ⁸ Mauritania ⁸ Mozambique ^{8,9} Solomon Islands ^{5,10,11} South Sudan ⁸ Switzerland ¹² Tunisia ^{9,12} Zambia ⁸
Other managed arrangement			Kuwait Syrian Arab Republic		Liberia ^{10,11} Myanmar Sierra Leone Zimbabwe	Kenya	Haiti ^{8,11} Kyrgyzstan Tonga Vanuatu Venezuela, Bolivarian Republic of
Floating					Angola Belarus Madagascar Yemen ¹¹	Albania Armenia Brazil ¹³ Colombia Georgia Hungary Iceland India ¹³ Indonesia ¹³ Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru ¹⁰ Seychelles Sri Lanka ¹³ South Africa Thailand ¹³ Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Pakistan ⁹
Free floating						Australia Canada Chile Czechia Japan Mexico Norway Poland ¹³ Russian Federation Sweden ¹³ United Kingdom	Somalia ¹⁴ United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

country maintains a de facto exchange rate anchor to the US dollar. ⁹ The central bank is in transition towards inflation targeting. ¹⁰ The exchange rate arrangement was reclassified twice during this reporting period. ¹¹ The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously

published classification. ¹² The country maintains a de facto exchange rate anchor to the euro. ¹³ The monetary policy framework is referred to as "flexible inflation-targeting". ¹⁴ Currently the Central Bank of Somalia does not have a monetary policy framework.

VII. ISO currency codes *

ISO code	Currency	Country 1 or territory	ISO code	Currency	Country 1 or territory	ISO code	Currency	Country 1 or territory
AED	United Arab Emirates dirham	United Arab Emirates	CUP	Cuban peso	Cuba	GMD	Dalasi	Gambia
AFN	Afghani	Afghanistan	CVE	Cabo Verde escudo	Cabo Verde	GNF	Guinean franc	Guinea
ALL	Albanian lek	Albania	CZK	Czech koruna	Czechia	GTQ	Quetzal	Guatemala
AMD	Armenian dram	Armenia				GYD	Guyana dollar	Guyana
ANG	Netherlands Antillean guilder	Curaçao Sint Maarten (southern part)	DJF	Djibouti franc	Djibouti			
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HKD	Hong Kong dollar	Hong Kong
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HNL	Lempira	Honduras
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HTG	Gourde	Haiti
			EGP	Egyptian pound	Egypt	HUF	Hungarian forint	Hungary
AWG	Aruban florin	Aruba	ERN	Nakfa	Eritrea	IDR	Indonesian rupiah	Indonesia
AZN	Azerbaijan manat	Azerbaijan	ETB	Birr	Ethiopia	ILS	New shekel	Israel
			EUR	Euro	Austria Belgium Croatia Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain	INR	Indian rupee	India Bhutan
BAM	Convertible marka	Bosnia and Herzegovina				IQD	Iraqi dinar	Iraq
BBD	Barbados dollar	Barbados				IRR	Iranian rial	Iran, Islamic Republic of
BDT	Taka	Bangladesh				ISK	Icelandic krona	Iceland
BGN	Bulgarian lev	Bulgaria				JMD	Jamaican dollar	Jamaica
BHD	Bahraini dinar	Bahrain				JOD	Jordanian dinar	Jordan
BIF	Burundi franc	Burundi				JPY	Japanese yen	Japan
BMD	Bermudian dollar	Bermuda						
BND	Brunei dollar	Brunei Darussalam				KES	Kenya shilling	Kenya
BOB	Boliviano	Bolivia, Plurinational State of				KGS	Kyrgyz som	Kyrgyzstan
BRL	Brazilian real	Brazil				KHR	Riel	Cambodia
BSD	Bahamian dollar	Bahamas				KMF	Comorian franc	Comoros
BTN	Ngultrum	Bhutan				KPW	North Korean won	Korea, Democratic People's Republic of
BWP	Pula	Botswana				KRW	South Korean won	Korea, Republic of
BYN	Belarusian rouble	Belarus				KWD	Kuwaiti dinar	Kuwait
BZD	Belize dollar	Belize				KYD	Cayman Islands dollar	Cayman Islands
			FJD	Fiji dollar	Fiji	KZT	Tenge	Kazakhstan
CAD	Canadian dollar	Canada	FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	LAK	Kip	Lao People's Democratic Republic
CDF	Congo franc	Congo, Democratic Republic of the				LBP	Lebanese pound	Lebanon
CHF	Swiss franc	Switzerland Liechtenstein	GBP	Pound sterling	United Kingdom Guernsey Isle of Man Jersey	LKR	Sri Lanka rupee	Sri Lanka
CLP	Chilean peso	Chile	GEL	Lari	Georgia	LRD	Liberian dollar	Liberia
CNY	Chinese renminbi	China	GHS	Ghana cedi	Ghana	LSL	Loti	Lesotho
COP	Colombian peso	Colombia	GIP	Gibraltar pound	Gibraltar	LYD	Libyan dinar	Libya
CRC	Costa Rican colón	Costa Rica						

* Extracted and compiled from ISO communications. 1 See Explanatory notes on individual countries, pp. 53 ff.

Explanatory notes

Euro foreign exchange reference rates of the European Central Bank

On 1 January 1999, 11 Member States of the European Union initially adopted the euro as their single currency. On 1 January 2001, Greece joined the euro area, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009, Estonia on 1 January 2011, Latvia on 1 January 2014, Lithuania on 1 January 2015 and Croatia on 1 January 2023 (for details, see Table I. 1., p. 7).

Since the introduction of the euro, there has been no autonomous foreign exchange market for the currencies replaced by the euro; the euro alone is quoted against non-euro area currencies, such as the US dollar and the Japanese yen.

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:10 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. For information on the framework for the euro foreign exchange reference rates, see the ECB's website: <https://www.ecb.europa.eu/stats/pdf/exchange/Frameworkfortheeuroforeignexchangereferencerates.en.pdf?c883afa875c74877fdf4634dcb85688c>.

Effective euro exchange rates

The indices of the nominal effective exchange rates of the euro are designed to measure, in aggregated form, the impact of changes in exchange rates on the price competitiveness of the euro area economy as a whole. They are calculated by the Deutsche Bundesbank on the basis of weighted averages of the bilateral euro exchange rates against the currencies of selected trading partners of the euro area, with Q1 1999 = 100. An increase in the index rate indicates an appreciation of the euro and thus, taken in isolation, a negative impact on the price competitiveness of the domestic economy. The weights are based on the trade in manufactured goods (Sections 5 to 8 of the Standard International Trade Classification (SITC)) and services (Extended Balance of Payments Services Classifica-

tion (EBOPS) – Total EBOPS services) and also reflect third-market effects.

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on page 49 shows trading partners' membership of the extended or the broad EER group as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the preceding period. See the ECB's website for information on the revised trade weights published from July 2020 (<https://www.ecb.europa.eu/stats/pdf/exchange/updatedtradeweights201708202007.pdf?184ad85cc2c5ccef05680706893cde>).

The real effective exchange rates of the euro additionally take account of the differences in price movements between the groups of countries under review. If the current price indices for determining the real effective exchange rate based on consumer price indices are not yet available, estimates are used for the calculation.

For further information on the calculation method, see the ECB's methodological notes relating to the daily nominal effective exchange rate of the euro and ECB Occasional Paper No 134 of June 2012, which can be downloaded from the ECB's website (www.ecb.europa.eu).

Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro. For more detailed information on methodology and weighting scale, see the website of the Deutsche Bundesbank (<https://www.bundesbank.de/content/796162>).

The indicators are broken down into three groups in Table III. 3. (p. 17).

The group of 27 selected industrialised countries comprises the respective composition of euro area countries (see Table I. 1., p. 7) as well as Canada, Denmark, Japan,

Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro^o

Figures in %

As of January 2023

Trading partner	Calculation period for weights ¹											
	Extended EER group of trading partners						Broad EER group of trading partners					
	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018
	Period of use of weights ¹											
	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016
Broad EER group							100	100	100	100	100	100
Extended EER group	100	100	100	100	100	100						
Australia	1.01	0.91	1.05	1.15	1.05	1.02	0.82	0.75	0.83	0.90	0.82	0.81
Bulgaria	0.27	0.31	0.63	0.60	0.63	0.68	0.22	0.26	0.50	0.46	0.50	0.54
Canada	1.86	1.96	1.91	1.87	1.81	1.77	1.51	1.62	1.51	1.46	1.43	1.40
China	4.16	4.89	13.76	16.79	17.58	17.65	3.39	4.03	10.90	13.11	13.82	13.94
Czechia	2.39	2.54	4.39	4.38	4.26	4.60	1.95	2.09	3.48	3.42	3.35	3.64
Denmark	3.16	2.84	2.94	2.53	2.44	2.37	2.58	2.34	2.33	1.97	1.92	1.88
Hong Kong	3.68	3.35	2.64	2.61	2.58	2.29	3.00	2.76	2.09	2.03	2.03	1.81
Hungary	1.63	2.19	2.89	2.64	2.71	2.84	1.33	1.80	2.29	2.06	2.13	2.25
Japan	10.07	9.10	6.27	5.89	4.83	4.89	8.22	7.50	4.96	4.60	3.80	3.86
Korea, Republic of	2.89	2.58	3.32	3.23	3.09	3.00	2.35	2.13	2.63	2.52	2.43	2.37
Norway	1.70	1.60	1.75	1.60	1.46	1.28	1.39	1.32	1.38	1.25	1.15	1.01
Poland	2.61	2.97	5.57	5.75	5.98	6.53	2.13	2.45	4.41	4.49	4.70	5.16
Romania	0.72	0.80	1.84	1.88	2.10	2.34	0.58	0.66	1.46	1.47	1.65	1.85
Singapore	2.42	2.08	2.09	2.23	2.09	2.19	1.97	1.71	1.65	1.74	1.64	1.73
Sweden	5.14	4.91	4.48	4.32	4.12	3.94	4.19	4.05	3.55	3.38	3.24	3.11
Switzerland	9.75	8.63	8.20	8.37	7.85	7.40	7.95	7.11	6.50	6.54	6.17	5.84
United Kingdom	23.03	22.48	17.18	15.60	15.82	15.17	18.78	18.53	13.61	12.18	12.43	11.99
United States	23.51	25.86	19.09	18.56	19.60	20.04	19.18	21.32	15.12	14.49	15.41	15.83
Additional countries in the broad EER group												
Algeria							0.37	0.32	0.40	0.40	0.40	0.30
Argentina							0.54	0.50	0.35	0.44	0.36	0.34
Brazil							1.29	1.25	1.44	1.59	1.39	1.16
Chile							0.34	0.31	0.41	0.40	0.32	0.27
China (Taiwan)							1.83	1.89	1.27	1.28	1.16	1.23
Colombia							0.21	0.17	0.19	0.20	0.20	0.18
Iceland							0.07	0.08	0.11	0.09	0.09	0.11
India							1.14	1.17	2.29	2.66	2.66	2.86
Indonesia							0.81	0.61	0.54	0.64	0.62	0.62
Israel							1.05	1.05	0.75	0.79	0.84	0.91
Malaysia							1.15	1.02	0.96	0.96	0.92	0.88
Mexico							0.76	1.07	1.04	1.13	1.21	1.33
Morocco							0.54	0.60	0.66	0.64	0.66	0.72
New Zealand							0.17	0.14	0.14	0.14	0.15	0.15
Peru							0.13	0.10	0.13	0.15	0.15	0.16
Philippines							0.36	0.46	0.34	0.33	0.39	0.42
Russian Federation							2.32	1.76	3.14	3.37	3.10	2.57
Saudi Arabia							0.47	0.42	0.67	0.68	0.80	0.76
South Africa							0.89	0.82	0.89	0.85	0.75	0.72
Thailand							1.13	0.89	0.96	1.00	1.06	1.17
Turkey							2.01	2.11	2.60	2.67	2.69	2.60
Ukraine							0.43	0.36	0.67	0.60	0.44	0.41
United Arab Emirates							0.45	0.47	0.85	0.92	1.02	1.11

^o Weights based on trade in goods and services. Figures have been rounded. In addition, the ECB publishes weighting schemes and indicators for the narrow EER group of trading partners with 12 countries. ¹ Selected calculation periods; for a comprehensive overview, see <https://www.bundesbank.de/en/statistics/exchange-rates/effective-exchange-rates/-/methodology-and-quality-796162>. ² Including the reference period of the indices.

Norway, Sweden, Switzerland, the United Kingdom and the United States.

The group of 37 countries comprises the euro area countries and the countries of the extended EER group of trading partners; the group of 60 countries consists of the euro area countries as well as the countries of the broad EER group.

■ Overview of world currencies

The end-of-month exchange rates listed in Table IV. 1. (pp. 18-40) are the latest rates known to us at the end of a given month; in general, they have been taken from reliable sources (central bank or a commercial bank in the country in question). However, we do not know whether transactions were actually executed at those rates in all cases. If no exchange rates for euro or US dollar are available from a country, we have calculated comparative values at the exchange rates or parities available and identified them with a “V” in the column “type of rate”.

The previous-year average specified in this table was basically calculated from all of the rates or comparable figures available to us.

In addition to the generally accepted currency name, the three-character alphabetical ISO currency code is specified (see Table VII., pp. 46-47). This was developed by the International Organization for Standardization as ISO Standard 4217. This currency code is designed to enable uniformly abbreviated designations for currency-related values to be used in international financial transactions. This applies, *inter alia*, to all external payments under the SWIFT system. The ISO code should not, however, be confused with the official national currency abbreviations.

■ Value of the special drawing right

The value of a SDR (ISO code: XDR) is currently defined as the sum of the values of fixed amounts of five currencies.

The composition of the currency basket as well as the weights and amounts of the currency units in the basket are generally reviewed every five years. As a result of the latest review, conducted in 2022, since 1 August 2022, the SDR basket has contained the fixed currency amounts shown in column (a). These were fixed on 29 July 2022 on the basis of the average exchange rates in the London spot exchange market over the preceding three-month period

(2 May to 29 July, 2022) and the initial new percentage weights (column b) such that, on 29 July 2022, the new SDR value corresponded with the value calculated on the basis of the old basket (see <https://www.imf.org/en/Publications/Policy-Papers/Issues/2022/07/29/Review-of-the-Method-of-Valuation-of-the-SDR-Amendment-to-Rule-O-1-521564>).

	(a)	(b)
US dollar	0.57813	43.38
Euro	0.37379	29.31
Chinese yuan (renminbi)	1.0993	12.28
Japanese yen	13.452	7.59
Pound sterling	0.080870	7.44

The above-mentioned currency amounts are converted into US dollar amounts on the basis of the market rates on every business day. In principle, the middle rates between the buying and selling rates fixed at noon in the London spot exchange market are used as market rates. The sum of the US dollar equivalents of the currency amounts yields the value of the SDR expressed in terms of the US dollar. Values of the SDR in terms of all other currencies are ascertained, using the value for the SDR in terms of the US dollar, from the representative market exchange rates of these currencies vis-à-vis the US dollar; for the euro, it is the foreign exchange reference rate of the European Central Bank.

The current criteria for inclusion were adopted by the Executive Board in 2000. They establish that the SDR basket comprises the currencies that are issued by member countries or monetary unions whose exports had the largest value over a five-year period, and have been determined by the IMF to be “freely usable”. In the case of a monetary union, exports of goods and services do not cover cross-border trade between the members of the monetary union.

The export criterion, which acts as a “gateway”, aims to ensure that currencies that qualify for the basket are those issued by member countries or monetary unions that play a central role in the global economy. This criterion has been part of the SDR methodology since the 1970s.

The requirement for currencies in the SDR basket to be also freely usable is the second criterion, and it was incorporated in 2000 to reflect formally the importance of financial transactions for the purposes of valuing the SDR basket.

A “freely usable” currency is defined in the IMF’s Articles of Agreement to mean a currency that the IMF determines is, in fact, widely used to make payments for international

transactions, and is widely traded in the major exchange markets. The concept of a freely usable currency concerns the actual international use and trading of a currency, and is different from whether a currency is either freely floating or fully convertible. A currency can be widely used and widely traded even if it is subject to some capital account restrictions. On the other hand, a currency that is fully convertible is not necessarily widely used and widely traded.

The formula adopted by the IMF for determining currency weights for the SDR basket assigns equal shares to the currency issuer's exports and a composite financial indicator. The financial indicator comprises, in equal shares, official reserves denominated in the member country's (or monetary union's) currency that are held by other monetary authorities that are not issuers of the relevant currency, foreign exchange turnover in the relevant currency, and the sum of all outstanding international bank liabilities and international debt securities denominated in the currency.

The IMF uses the SDR as unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private bodies in Germany and abroad, inter alia as the "successor" to those units of account which had hitherto been defined in terms of gold (e. g. gold francs).

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2021 (see Table VI., pp. 44-45) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2021", which can be accessed online (<https://www.elibrary-areaer.imf.org>).

The IMF's classification system is generally based on the actual, de facto exchange rate regimes identified and operating in member countries. These may differ from the official, de jure exchange rate arrangements in these countries.

Exchange rate arrangements are primarily classified on the basis of the degree to which the exchange rate is determined by the market rather than by official action, with market-determined exchange rates being on the whole more flexible. The IMF's system distinguishes between four major categories. The category "hard pegs" (fixed

exchange rate anchors) is subdivided into exchange arrangements with no separate legal tender and currency board arrangements (institutionalised, unilateral exchange rate peg). The category "soft pegs" (less stringent exchange rate anchors) comprises conventional fixed peg arrangements (exchange rate guarantee but no irrevocable parity), stabilised arrangements (exchange rate within a narrow band without any political obligation), crawling pegs (moving central rate without a band), crawl-like arrangements (moving central rate with an annual minimum rate of change) and pegged exchange rates within horizontal bands. The category "floating regimes" (market-determined rates) distinguishes between free-floating rates (intervention in exceptional cases only) and floating rates (more frequent modes of intervention). All other exchange rate arrangements are grouped under the category "residual" (other managed arrangements). The classification system presents members' exchange rate arrangements against alternative monetary policy frameworks in order to highlight the role of the exchange rate in broad economic policy and to illustrate that different exchange rate arrangements can be consistent with similar monetary frameworks.

The monetary policy frameworks listed are as follows.

Exchange rate anchor

The monetary authority buys or sells foreign exchange to maintain the exchange rate at its predetermined level or within a range. The exchange rate thus serves as the nominal anchor or intermediate target of monetary policy. These frameworks are associated with exchange rate arrangements with no separate legal tender, currency board arrangements, pegs (or stabilised arrangements) with or without bands, crawling pegs (or crawl-like arrangements) and other managed arrangements.

Monetary aggregate target

The monetary authority uses its instruments to achieve a target growth rate for a monetary aggregate, such as reserve money, M1 or M2, and the targeted aggregate becomes the nominal anchor or intermediate target of monetary policy.

Inflation-targeting framework

This involves the public announcement of numerical targets for inflation, with an institutional commitment by the monetary authority to achieve these targets, typically over a medium-term horizon. Additional key features normally include increased communication with the public and the markets about the plans and objectives of monetary policymakers and increased accountability of the central bank for achieving its inflation objectives. Monetary policy

decisions are often guided by the deviation of forecasts of future inflation from the announced inflation target, with the inflation forecast acting (implicitly or explicitly) as the intermediate target of monetary policy.

Other

The country has no explicitly stated nominal anchor, but rather monitors various indicators in conducting monetary policy. This category is also used when no relevant information on the country is available.

Explanatory notes on individual countries

Argentina

Capital controls were introduced by decree on 1 September 2019 in response to the escalating financial and sovereign debt crisis.

Since 23 December 2019 (the date on which Law 27541 entered into force), Argentina has been levying a tax (Impuesto Para una Argentina Inclusiva y Solidaria = PAÍS) of 30% on transactions such as the following:

- purchases of foreign currency banknotes and foreign exchange, including travellers' cheques, by Argentine residents;
- the exchange of foreign currency intended for the purchase of goods or services or for the purchase of services abroad;
- foreign transactions with Argentine bank cards.

The Argentine Tax Authority (Administración Federal de Ingresos Públicos = AFIP) has been levying an additional tax of 35% on the aforementioned transactions since 16 September 2020. In July and October 2022, the AFIP increased this additional tax for certain transactions to which it is applied.

In addition, since 4 November 2022, there has been a separate settlement exchange rate for non-residents making payments on selected foreign credit, debit and prepaid cards for tourism purposes; this rate stood at 480 Argentine pesos to the US dollar at the beginning of July 2023.

Bangladesh

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 taka; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 taka.

Benin

Benin, Burkina Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo all belong to the West African Economic and Monetary Union (Union Économique et Monétaire Ouest Africaine = UEMOA). The responsible monetary authority is the Banque Centrale des Etats de l'Afrique de l'Ouest, whose CFA franc (Franc de la Communauté Financière Africaine = F.CFA) is legal tender only in the aforementioned countries.

Bhutan

The Indian rupee is likewise legal tender alongside the Bhutanese ngultrum (convertible at par).

Brunei Darussalam

Under an agreement between Brunei Darussalam and Singapore, the Singapore dollar (convertible at par) is also accepted as customary tender.

Burkina Faso

See Explanatory notes on Benin.

Burundi

Exchange rate movements have been larger following the conclusion of reforms in the foreign exchange market. We recorded the following exchange rates (buying/selling):

4 May 2023	USD 1 = BIF 2,067.7546 / 2,101.1054
	EUR 1 = BIF 2,291.8992 / 2,328.8653
5 May 2023	USD 1 = BIF 2,795.1187 / 2,840.2013
	EUR 1 = BIF 3,086.0906 / 3,135.8662.

Calculated using these rates, the Burundi franc experienced a devaluation of 26.0% against the US dollar and 25.7% against the euro.

Cameroon

Cameroon, the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon all belong to the Central African Economic and Monetary Community (Communauté Économique et Monétaire de l'Afrique Centrale = CEMAC). The responsible monetary authority is the Banque des Etats de l'Afrique Centrale, whose CFA franc (Franc de la Coopération Financière en Afrique Centrale = F.CFA) is legal tender only in the aforementioned countries.

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

The New Zealand dollar is also legal tender alongside the Cook Islands dollar (convertible at par).

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

We have the following information on file about how exchange rates have been applied since 4 August 2022:

Rate for transactions by general government
For all government sector transactions.

Rate for non-government transactions
For all transactions by households and enterprises as well as by the government foreign exchange bureaus (Casas de Cambio = CADECA).

In addition, it is understood that there is a black market where, according to press reports, the exchange rate to the US dollar stood at 205 Cuban pesos at the beginning of July 2023.

The euro is also an accepted form of payment in some tourist locations.

El Salvador

The US dollar is likewise legal tender alongside the El Salvador colón.

Equatorial Guinea

See Explanatory notes on Cameroon.

Eswatini

The South African rand is likewise legal tender alongside the lilangeni (convertible at par).

Gabon

See Explanatory notes on Cameroon.

Guinea-Bissau

See Explanatory notes on Benin.

India

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 rupees; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 rupees.

Iran, Islamic Republic of

As we have only incomplete information on the extensive changes and regulations in the multiple exchange rate system, the information provided below on applying exchange rates – valid since 6 August 2018 – is intended merely as a guideline.

Central bank rate
For imports of essential goods (e.g. basic foodstuffs and pharmaceuticals).

NIMA rate (see <https://www.sanarate.ir/Default.aspx>)
For other, non-specified goods imports and services. Access to the electronic platform NIMA is possible only for certain importers as well as exchange bureaus.

Bureau de change rate
Used in addition to the regulated central bank and NIMA exchange rates, including for travelling abroad, tuition fees at foreign universities, medical treatment and legal fees abroad.

The term "toman" (an old Persian currency) is also used to denote 10 Iranian rials.

Kenya

The term "Kenya pound" is a unit of account equivalent to 20 Kenya shillings.

Korea, Democratic People's Republic of

We have no exchange rates for the won as of July 2020.

Lebanon

The ongoing liquidity and economic crisis, coupled with a significant depreciation of the Lebanese pound and the formation of a parallel market, has prompted Lebanon's central bank to take various steps since mid-2020 to keep the resulting foreign exchange shortage in check.

Multiple exchange rates have emerged in Lebanon: alongside the official exchange rate to the US dollar, there is a bank rate and also the central bank's own electronic Sayrafa platform, through which commercial banks and foreign exchange dealers operating in Lebanon are expected to settle their business in foreign currency.

We have the following information on file about how exchange rates have been applied since the end of August 2021:

Official exchange rate

For specific imports (e.g. of wheat, medication, medical supplies and selected commodities) and for servicing limited retail consumer and housing loans denominated in US dollar

Bank rate

For limited cash withdrawals from foreign currency accounts held with banks in Lebanon (we have no exchange rate data on file)

Sayrafa market rate

For imports of petrol, diesel and gas, and for regulated buying and selling of foreign currencies.

Press reports indicate that the exchange rate on the black market, which continues to exist, was 91,000 Lebanese pounds to the US dollar at the beginning of July 2023.

Lesotho

The South African rand is likewise legal tender alongside the loti (convertible at par).

Liberia

The US dollar is likewise legal tender alongside the Liberian dollar.

Macao

The Hong Kong dollar, to which the pataca is pegged at a rate of HKD 100 = MOP 103, is in circulation as a common currency alongside the pataca.

Mali

See Explanatory notes on Benin.

Namibia

The South African rand is likewise legal tender alongside the Namibia dollar (convertible at par).

New Caledonia

CFP was originally the abbreviation for "Colonies Françaises du Pacifique" and is still used as a currency symbol (in connection with the franc).

Niger

See Explanatory notes on Benin.

Nigeria

On 14 June 2023, the exchange rates were adjusted more sharply. We recorded the following exchange rates (buying/selling):

9 June 2023	USD 1 = NGN 462.38 / 463.38
	EUR 1 = NGN 498.3994 / 499.4773

14 June 2023	USD 1 = NGN 631.77 / 632.77
	EUR 1 = NGN 682.9434 / 684.0244.

Calculated using these rates, the naira depreciated by 26.8% against the US dollar and by 27.0% against the euro.

It is understood that there are different bureau de change rates alongside the official, published exchange rate.

Panama

The US dollar is legal tender alongside the balboa, which is in circulation exclusively in coin form.

Senegal

See Explanatory notes on Benin.

Sierra Leone

With effect from 1 July 2022, a currency changeover took place at the ratio of 1,000 (old) leone (SLL) to 1 (new) leone (SLE). The SLL will also remain legal tender at this ratio until the end of December 2023.

On 20 June 2023, the leone appreciated more strongly. We recorded the following exchange rates (buying/selling):

19 June 2023 USD 1 = SLE 22.3916 / 22.6166
 EUR 1 = SLE 24.5236 / 24.7652

20 June 2023 USD 1 = SLE 17.5899 / 17.7667
 EUR 1 = SLE 19.2324 / 19.4219.

Calculated using these exchange rates, the leone appreciated by 27.3% against the US dollar and by 27.5% against the euro.

Singapore

Under an agreement between Singapore and Brunei Darussalam, the Brunei dollar (convertible at par) is also accepted as customary tender.

Somalia

We have no exchange rates for the Somali shilling.

Syrian Arab Republic

In addition to the bank rates (for credit transfers), the Central Bank of Syria continued to publish official exchange rates of USD 1 = SYP 3,000.00/3,030.00 (buying/selling). We do not have any information on how these rates are applied.

It is also understood that there are significantly different black market rates alongside these rates.

Togo

See Explanatory notes on Benin.

Turkmenistan

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.

United Arab Emirates

The United Arab Emirates include Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah and Umm al Qaiwain.

United Kingdom

In Scotland and Northern Ireland, a small volume of bank-notes issued by commercial banks in these territories is in circulation alongside notes issued by the Bank of England.

Venezuela, Bolivarian Republic of

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.

Yemen

In addition to central bank rates, there are also commercial bank rates, which vary widely from region to region.

Zimbabwe

A weekly auction has been held via the Foreign Exchange Auction Trading System since 23 June 2020; see <https://www.rbz.co.zw/index.php/financial-markets/foreign-exchange-auction>.

In May and June 2023, the Zimbabwe dollar was devalued in several stages.

Calculated using the exchange rates from the end of April and the end of June 2023, the Zimbabwe dollar depreciated by 81.8% against the US dollar and by 81.5% against the euro.

It is also understood that there is a significantly different black market rate. According to press reports, this rate was around 8,100 Zimbabwe dollar to the US dollar at the beginning of July 2023.