



Exchange rate statistics

January 2025

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	Data unknown, not to be published or not meaningful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 DKK	Central rate	¹ 7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
	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 BGN	Central rate	–	–	–	–	–	–	–	² 1.95583
	Lower rate	–	–	–	–	–	–	–	1.66246
Greece	Upper rate	406.075	³ 391.863	–	–	–	–	–	–
Greek drachma GRD	Central rate	¹ 353.109	³ 340.750	–	–	–	–	–	–
	Lower rate	300.143	289.638	–	–	–	–	–	–
Estonia	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936	–
Estonian kroon EEK	Central rate	–	–	15.6466	15.6466	15.6466	15.6466	⁴ 15.6466	–
	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 LTL	Central rate	–	–	3.45280	3.45280	3.45280	3.45280	⁵ 3.45280	–
	Lower rate	–	–	2.93488	2.93488	2.93488	2.93488	2.93488	–
Slovenia	Upper rate	–	–	275.586	275.586	275.586	–	–	–
Slovenian tolar SIT	Central rate	–	–	239.640	239.640	⁶ 239.640	–	–	–
	Lower rate	–	–	203.694	203.694	203.694	–	–	–
Cyprus	Upper rate	–	–	–	0.673065	0.673065	0.673065	–	–
Cyprus pound CYP	Central rate	–	–	–	0.585274	0.585274	⁷ 0.585274	–	–
	Lower rate	–	–	–	0.497483	0.497483	0.497483	–	–
Latvia	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225	–
Latvian lats LVL	Central rate	–	–	–	0.702804	0.702804	0.702804	⁸ 0.702804	–
	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383	–
Malta	Upper rate	–	–	–	0.493695	0.493695	0.493695	–	–
Maltese lira MTL	Central rate	–	–	–	0.429300	0.429300	⁷ 0.429300	–	–
	Lower rate	–	–	–	0.364905	0.364905	0.364905	–	–
Slovakia	Upper rate	–	–	–	–	44.2233	40.7588	34.6449	–
Slovak koruna SKK	Central rate	–	–	–	–	38.4550	35.4424	⁹ 30.1260	–
	Lower rate	–	–	–	–	32.6868	30.1260	25.6071	–
Croatia	Upper rate	–	–	–	–	–	–	–	8.66468
Croatian kuna HRK	Central rate	–	–	–	–	–	–	–	¹⁰ 7.53450
	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 ...

EU member countries								
	Bulgaria	Czechia	Denmark	Hungary	Poland	Romania	Sweden	
Period	Bulgarian lev BGN	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	
2023 Dec.	1.9558	24.724	7.4529	382.80	4.3395	4.9756	11.0960	
2024 Jan.	1.9558	24.891	7.4550	384.90	4.3330	4.9758	11.2682	
Feb.	1.9558	25.363	7.4540	393.48	4.3208	4.9706	11.2150	
Mar.	1.9558	25.305	7.4580	395.26	4.3123	4.9735	11.5250	
Apr.	1.9558	25.140	7.4583	390.68	4.3178	4.9759	11.7530	
May	1.9558	24.709	7.4588	388.83	4.2645	4.9767	11.4210	
June	1.9558	25.025	7.4575	395.10	4.3090	4.9773	11.3595	
July	1.9558	25.457	7.4621	395.78	4.2908	4.9749	11.6125	
Aug.	1.9558	25.031	7.4589	392.53	4.2763	4.9768	11.3355	
Sep.	1.9558	25.184	7.4560	396.88	4.2788	4.9753	11.3000	
Oct.	1.9558	25.327	7.4601	408.28	4.3508	4.9749	11.6308	
Nov.	1.9558	25.256	7.4579	411.75	4.2960	4.9774	11.5180	
Dec.	1.9558	25.185	7.4578	411.35	4.2750	4.9743	11.4590	
2024 Dec. 20	1.9558	25.121	7.4614	414.18	4.2623	4.9762	11.4760	
23	1.9558	25.165	7.4590	414.70	4.2753	4.9763	11.4840	
24	1.9558	25.135	7.4608	411.73	4.2715	4.9745	11.5335	
27	1.9558	25.201	7.4602	411.45	4.2753	4.9769	11.4795	
30	1.9558	25.226	7.4600	411.53	4.2655	4.9765	11.4865	
31	1.9558	25.185	7.4578	411.35	4.2750	4.9743	11.4590	
2025 Jan. 2	1.9558	25.177	7.4583	412.90	4.2753	4.9743	11.4223	
3	1.9558	25.166	7.4599	414.93	4.2725	4.9752	11.4395	
6	1.9558	25.154	7.4591	414.68	4.2518	4.9747	11.4645	
7	1.9558	25.137	7.4592	415.73	4.2583	4.9744	11.4750	
8	1.9558	25.150	7.4608	416.25	4.2765	4.9739	11.5125	
9	1.9558	25.116	7.4609	413.98	4.2723	4.9734	11.4945	
10	1.9558	25.090	7.4606	413.68	4.2660	4.9735	11.4970	
13	1.9558	25.230	7.4605	413.68	4.2715	4.9731	11.5055	
14	1.9558	25.294	7.4607	412.05	4.2683	4.9749	11.5120	
15	1.9558	25.218	7.4611	410.63	4.2613	4.9742	11.5015	

Other European and non-European countries							
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR
2023 Dec.	1.6263	5.3618	1.4642	7.8509	8.6314	150.50	91.9045
2024 Jan.	1.6468	5.3749	1.4558	7.7789	8.4734	148.30	90.0010
Feb.	1.6684	5.4054	1.4719	7.7888	8.4735	149.30	89.7458
Mar.	1.6607	5.4032	1.4672	7.8144	8.4594	150.30	90.1365
Apr.	1.6423	5.4928	1.4672	7.7609	8.3817	150.30	89.4155
May	1.6315	5.6418	1.4804	7.8577	8.4838	149.10	90.5255
June	1.6079	5.8915	1.4670	7.7748	8.3594	148.90	89.2495
July	1.6635	6.0874	1.4977	7.8194	8.4589	149.90	90.6250
Aug.	1.6301	6.2155	1.4941	7.8585	8.6455	152.90	92.9485
Sep.	1.6166	6.0504	1.5133	7.8511	8.6933	150.70	93.8130
Oct.	1.6559	6.2635	1.5134	7.7436	8.4598	148.90	91.4930
Nov.	1.6245	6.4361	1.4796	7.6484	8.2211	145.70	89.3245
Dec.	1.6772	6.4253	1.4948	7.5833	8.0686	143.90	88.9335
2024 Dec. 20	1.6674	6.3173	1.4946	7.5831	8.0755	144.70	88.3550
23	1.6667	6.3916	1.4978	7.5861	8.0757	145.10	88.4635
24	1.6681	6.4384	1.4988	7.5843	8.0743	145.10	88.5275
27	1.6777	6.4586	1.5002	7.6169	8.0990	145.10	89.2100
30	1.6756	6.4760	1.5035	7.6234	8.1065	143.90	89.2685
31	1.6772	6.4253	1.4948	7.5833	8.0686	143.90	88.9335
2025 Jan. 2	1.6618	6.4200	1.4885	7.5338	8.0261	143.90	88.5070
3	1.6556	6.3478	1.4842	7.5371	8.0122	144.10	88.3335
6	1.6555	6.3649	1.4914	7.6284	8.1035	144.70	89.2605
7	1.6557	6.3134	1.4878	7.6142	8.0824	145.50	89.1120
8	1.6600	6.3075	1.4803	7.5413	8.0018	145.10	88.3520
9	1.6630	6.2991	1.4831	7.5558	8.0189	144.90	88.4740
10	1.6655	6.2397	1.4845	7.5542	8.0224	145.30	88.6265
13	1.6578	6.2109	1.4699	7.4771	7.9412	144.50	88.4165
14	1.6601	6.2299	1.4744	7.5108	7.9761	144.90	88.6925
15	1.6616	6.2377	1.4784	7.5515	8.0201	144.70	89.0145

* See Explanatory notes, p. 48.

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)								
	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway
Period	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK
2023 Dec.	17,079.71	3.9993	156.33	1,433.66	5.0775	18.7231	1.7504	11.2405
2024 Jan.	17,076.29	3.9431	160.19	1,444.63	5.1259	18.5817	1.7705	11.3510
Feb.	17,038.18	3.8736	162.53	1,447.43	5.1375	18.4969	1.7807	11.4920
Mar.	17,157.87	3.9799	163.45	1,458.67	5.1168	17.9179	1.8092	11.6990
Apr.	17,422.11	4.0172	168.27	1,479.67	5.1130	18.1895	1.8035	11.8150
May	17,641.72	4.0342	170.52	1,501.11	5.1080	18.4387	1.7696	11.3830
June	17,487.21	4.0200	171.94	1,474.86	5.0501	19.5654	1.7601	11.3965
July	17,634.43	4.0822	162.76	1,485.96	4.9749	20.3317	1.8289	11.8175
Aug.	17,180.03	4.0245	161.19	1,478.60	4.7901	21.7581	1.7709	11.6620
Sep.	16,975.88	4.1491	159.82	1,469.11	4.6167	21.9842	1.7616	11.7645
Oct.	17,105.85	4.0441	166.30	1,500.05	4.7652	21.8087	1.8220	11.9385
Nov.	16,753.81	3.8411	158.64	1,476.11	4.6948	21.5370	1.7873	11.6805
Dec.	16,820.88	3.7885	163.06	1,532.15	4.6454	21.5504	1.8532	11.7950
2024 Dec. 20	16,863.07	3.8060	162.89	1,502.70	4.6838	21.0194	1.8445	11.8685
23	16,817.59	3.7938	163.36	1,510.56	4.6665	21.0069	1.8429	11.8070
24	16,843.33	3.8133	163.25	1,515.98	4.6642	20.9490	1.8429	11.8490
27	16,922.75	3.8364	164.65	1,537.65	4.6660	21.1453	1.8508	11.8435
30	16,881.00	3.8120	164.57	1,539.13	4.6632	21.2847	1.8470	11.8455
31	16,820.88	3.7885	163.06	1,532.15	4.6454	21.5504	1.8532	11.7950
2025 Jan. 2	16,726.78	3.7676	162.04	1,515.07	4.6223	21.4375	1.8402	11.7173
3	16,703.85	3.7614	161.77	1,512.70	4.6346	21.2331	1.8366	11.7130
6	16,834.71	3.7905	163.25	1,518.24	4.7032	21.1962	1.8354	11.7095
7	16,794.93	3.7681	163.86	1,507.35	4.6639	21.1387	1.8317	11.7385
8	16,719.53	3.7798	162.94	1,503.50	4.6313	21.0093	1.8383	11.7380
9	16,693.79	3.7713	162.56	1,504.23	4.6403	21.1013	1.8417	11.7605
10	16,680.99	3.7889	162.86	1,511.32	4.6332	21.1258	1.8454	11.7570
13	16,640.94	3.7436	160.22	1,497.52	4.5993	21.1803	1.8358	11.7090
14	16,708.88	3.7185	161.63	1,496.39	4.6154	21.1339	1.8324	11.7195
15	16,872.43	3.7299	161.75	1,503.15	4.6340	21.0900	1.8381	11.7035

Other European and non-European countries (cont'd)								
	Philippines	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States
Period	Philippine peso PHP	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD
2023 Dec.	61.283	1.4591	20.3477	0.9260	37.973	32.6531	0.86905	1.1050
2024 Jan.	61.023	1.4517	20.3238	0.9348	38.461	32.8984	0.85435	1.0837
Feb.	60.858	1.4570	20.9007	0.9534	38.909	33.8067	0.85655	1.0826
Mar.	60.797	1.4587	20.5226	0.9766	39.412	34.9487	0.85510	1.0811
Apr.	61.830	1.4593	20.0682	0.9787	39.732	34.7045	0.85478	1.0718
May	63.604	1.4663	20.2927	0.9818	39.925	34.9691	0.85365	1.0852
June	62.560	1.4513	19.4970	0.9634	39.319	35.1868	0.84638	1.0705
July	63.218	1.4491	19.7400	0.9533	38.629	35.9085	0.84380	1.0828
Aug.	62.309	1.4441	19.5358	0.9416	37.541	37.7651	0.84120	1.1087
Sep.	62.740	1.4342	19.2258	0.9439	36.107	38.2693	0.83543	1.1196
Oct.	63.364	1.4377	19.1869	0.9412	36.754	37.2680	0.83753	1.0882
Nov.	61.939	1.4159	19.0777	0.9309	36.217	36.6390	0.83205	1.0562
Dec.	60.301	1.4164	19.6188	0.9412	35.676	36.7372	0.82918	1.0389
2024 Dec. 20	61.100	1.4100	19.1104	0.9297	35.757	36.5544	0.82965	1.0390
23	60.899	1.4103	19.2042	0.9336	35.632	36.6032	0.82995	1.0393
24	60.787	1.4129	19.3293	0.9358	35.489	36.6474	0.82805	1.0395
27	60.683	1.4174	19.5259	0.9396	35.495	36.7456	0.83098	1.0435
30	60.411	1.4166	19.5691	0.9435	35.640	36.8914	0.82950	1.0444
31	60.301	1.4164	19.6188	0.9412	35.676	36.7372	0.82918	1.0389
2025 Jan. 2	59.769	1.4091	19.2719	0.9371	35.355	36.4523	0.83118	1.0321
3	59.835	1.4113	19.2957	0.9362	35.475	36.4248	0.82993	1.0299
6	60.369	1.4168	19.2724	0.9396	35.834	36.8305	0.83098	1.0426
7	60.378	1.4150	19.3216	0.9426	35.830	36.7432	0.82915	1.0393
8	60.192	1.4096	19.4357	0.9379	35.682	36.3952	0.83403	1.0286
9	60.281	1.4102	19.4534	0.9397	35.645	36.4212	0.83808	1.0305
10	60.242	1.4092	19.6165	0.9416	35.616	36.4849	0.83693	1.0304
13	59.851	1.4010	19.5236	0.9346	35.464	36.2019	0.84160	1.0198
14	60.196	1.4036	19.4143	0.9395	35.612	36.3634	0.84288	1.0245
15	60.358	1.4089	19.4319	0.9394	35.762	36.5477	0.84313	1.0300

* See Explanatory notes, p. 48.

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
2023	1.9558	–	24.004	7.4509	381.85	4.5420	4.9467	11.4788
2024	1.9558	–	25.120	7.4589	395.30	4.3058	4.9746	11.4325
2022 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
July	1.9558	–	23.892	7.4508	379.04	4.4431	4.9411	11.6343
Aug.	1.9558	–	24.108	7.4522	385.05	4.4601	4.9411	11.8117
Sep.	1.9558	–	24.380	7.4566	386.43	4.5981	4.9656	11.8417
Oct.	1.9558	–	24.584	7.4604	385.33	4.5124	4.9682	11.6472
Nov.	1.9558	–	24.485	7.4581	379.19	4.4020	4.9703	11.5475
Dec.	1.9558	–	24.478	7.4556	381.80	4.3335	4.9707	11.2028
2024 Jan.	1.9558	–	24.716	7.4572	382.04	4.3648	4.9749	11.2834
Feb.	1.9558	–	25.232	7.4550	388.04	4.3256	4.9746	11.2500
Mar.	1.9558	–	25.292	7.4566	395.09	4.3069	4.9708	11.3054
Apr.	1.9558	–	25.278	7.4596	392.41	4.3026	4.9730	11.5910
May	1.9558	–	24.819	7.4606	387.18	4.2796	4.9754	11.6186
June	1.9558	–	24.779	7.4592	394.76	4.3209	4.9767	11.2851
July	1.9558	–	25.299	7.4606	392.84	4.2817	4.9730	11.5324
Aug.	1.9558	–	25.179	7.4614	394.70	4.2917	4.9766	11.4557
Sep.	1.9558	–	25.099	7.4600	394.86	4.2761	4.9744	11.3577
Oct.	1.9558	–	25.298	7.4593	401.90	4.3170	4.9750	11.4048
Nov.	1.9558	–	25.301	7.4583	409.25	4.3317	4.9762	11.5828
Dec.	1.9558	–	25.136	7.4589	411.99	4.2704	4.9749	11.5040

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
2023	1.6288	5.4010	1.4595	7.6600	8.4650	149.13	89.3001	16,479.62
2024	1.6397	5.8283	1.4821	7.7875	8.4454	149.31	90.5563	17,157.68
2022 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
July	1.6423	5.3099	1.4618	7.9482	8.6437	146.79	90.8395	16,639.99
Aug.	1.6818	5.3427	1.4703	7.9096	8.5370	143.87	90.3518	16,639.40
Sep.	1.6622	5.2770	1.4458	7.7967	8.3640	144.46	88.7372	16,424.67
Oct.	1.6637	5.3509	1.4474	7.7200	8.2648	146.50	87.8937	16,646.67
Nov.	1.6634	5.2963	1.4828	7.8087	8.4380	151.44	90.0102	16,853.56
Dec.	1.6321	5.3428	1.4653	7.7870	8.5152	150.55	90.8009	16,910.33
2024 Jan.	1.6422	5.3569	1.4631	7.8201	8.5244	149.43	90.6347	17,049.43
Feb.	1.6533	5.3559	1.4564	7.7651	8.4432	148.68	89.5608	16,898.59
Mar.	1.6586	5.4157	1.4726	7.8297	8.5049	149.04	90.2515	17,063.66
Apr.	1.6469	5.4975	1.4661	7.7658	8.4006	150.35	89.4676	17,258.77
May	1.6317	5.5529	1.4780	7.8206	8.4458	150.00	90.1573	17,375.67
June	1.6206	5.7884	1.4750	7.8051	8.4023	149.36	89.8106	17,595.94
July	1.6257	6.0053	1.4868	7.8750	8.4684	149.43	90.6557	17,623.29
Aug.	1.6559	6.1193	1.5049	7.8736	8.5849	151.84	92.4062	17,347.75
Sep.	1.6398	6.1528	1.5037	7.8611	8.6528	152.21	93.0808	17,020.23
Oct.	1.6250	6.1195	1.4993	7.7276	8.4726	149.07	91.6266	16,988.19
Nov.	1.6267	6.1729	1.4855	7.6617	8.2699	146.72	89.6717	16,817.07
Dec.	1.6529	6.3843	1.4915	7.6298	8.1459	145.24	89.0453	16,810.95

* 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
2023	3.9880	151.99	1,412.88	4.9320	19.1830	1.7622	11.4248	60.163
2024	4.0067	163.85	1,475.40	4.9503	19.8314	1.7880	11.6290	62.007
2022 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
July	4.0546	155.94	1,419.16	5.0754	18.7085	1.7758	11.3474	60.690
Aug.	4.0861	157.96	1,443.24	5.0294	18.5202	1.8195	11.4127	61.461
Sep.	4.0793	157.80	1,424.53	5.0024	18.4757	1.8012	11.4525	60.665
Oct.	4.2034	158.04	1,427.33	5.0142	19.0882	1.7916	11.6284	59.994
Nov.	4.1118	161.84	1,412.57	5.0667	18.7877	1.8033	11.7958	60.285
Dec.	4.0057	157.21	1,423.13	5.0826	18.7665	1.7556	11.5333	60.593
2024 Jan.	4.0493	159.46	1,447.18	5.1105	18.6268	1.7673	11.3501	61.090
Feb.	3.9345	161.38	1,437.37	5.1468	18.4425	1.7618	11.3843	60.486
Mar.	3.9442	162.77	1,448.12	5.1272	18.2610	1.7869	11.5214	60.736
Apr.	4.0240	165.03	1,469.42	5.1139	18.0066	1.7992	11.6828	61.171
May	4.0062	168.54	1,474.96	5.0971	18.1549	1.7819	11.5988	62.523
June	4.0074	169.81	1,485.38	5.0680	19.6134	1.7539	11.4178	63.177
July	3.9902	171.17	1,499.62	5.0737	19.6397	1.7985	11.7160	63.416
Aug.	4.1079	161.06	1,488.61	4.8605	21.0823	1.8112	11.7895	62.710
Sep.	4.1452	159.08	1,478.72	4.7341	21.7625	1.7845	11.7852	62.256
Oct.	4.1020	163.20	1,484.59	4.6883	21.4603	1.7917	11.7907	62.655
Nov.	3.9523	163.23	1,482.25	4.7141	21.6152	1.7967	11.7408	62.410
Dec.	3.7896	161.08	1,506.85	4.6728	21.2338	1.8217	11.7447	61.203

Other European and non-European countries (cont'd)							
	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States
	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD
2023	1.4523	19.9551	0.9718	37.631	25.7597	0.86979	1.0813
2024	1.4458	19.8297	0.9526	38.181	35.5734	0.84662	1.0824
2022 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
July	1.4753	20.1074	0.9663	38.243	29.3212	0.85856	1.1058
Aug.	1.4735	20.4723	0.9588	38.195	29.3788	0.85892	1.0909
Sep.	1.4562	20.2780	0.9600	38.301	28.8643	0.86158	1.0684
Oct.	1.4462	20.1390	0.9547	38.549	29.4506	0.86798	1.0563
Nov.	1.4575	20.0397	0.9634	38.327	30.9786	0.87045	1.0808
Dec.	1.4533	20.3373	0.9441	38.176	31.7243	0.86168	1.0903
2024 Jan.	1.4569	20.5161	0.9368	38.401	32.8165	0.85873	1.0905
Feb.	1.4513	20.5082	0.9462	38.709	33.2644	0.85466	1.0795
Mar.	1.4573	20.4955	0.9656	39.079	34.8229	0.85524	1.0872
Apr.	1.4554	20.2378	0.9761	39.454	34.6926	0.85658	1.0728
May	1.4606	19.9079	0.9830	39.607	34.8605	0.85564	1.0812
June	1.4547	19.8144	0.9616	39.492	35.0667	0.84643	1.0759
July	1.4602	19.7950	0.9676	39.324	35.6969	0.84332	1.0844
Aug.	1.4488	19.8651	0.9450	38.263	37.1098	0.85150	1.1012
Sep.	1.4396	19.5634	0.9414	37.012	37.8238	0.84021	1.1106
Oct.	1.4283	19.1609	0.9386	36.411	37.3473	0.83496	1.0904
Nov.	1.4206	19.0553	0.9355	36.596	36.6237	0.83379	1.0630
Dec.	1.4144	19.0606	0.9339	35.794	36.6588	0.82804	1.0479

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

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	Hungary	Latvia ¹	Lithuania ¹	Poland	
Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Latvian lats LVL	Lithuanian litas LTL	Polish zloty PLN	
End of year								
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
2023	1.9558	–	24.724	7.4529	382.80	–	–	4.3395
2024	1.9558	–	25.185	7.4578	411.35	–	–	4.2750
Annual averages +								
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
2023	1.9558	–	24.004	7.4509	381.85	–	–	4.5420
2024	1.9558	–	25.120	7.4589	395.30	–	–	4.3058

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								
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	8.9675	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
2023	4.9756	11.0960	1.6263	5.3618	1.4642	7.8509	8.6314	150.50
2024	4.9743	11.4590	1.6772	6.4253	1.4948	7.5833	8.0686	143.90
Annual averages +								
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
2023	4.9467	11.4788	1.6288	5.4010	1.4595	7.6600	8.4650	149.13
2024	4.9746	11.4325	1.6397	5.8283	1.4821	7.7875	8.4454	149.31

* 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									
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
2023	91.9045	17,079.71	3.9993	156.33	1,433.66	5.0775	18.7231	1.7504	11.2405
2024	88.9335	16,820.88	3.7885	163.06	1,532.15	4.6454	21.5504	1.8532	11.7950
Annual averages +									
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
2023	89.3001	16,479.62	3.9880	151.99	1,412.88	4.9320	19.1830	1.7622	11.4248
2024	90.5563	17,157.68	4.0067	163.85	1,475.40	4.9503	19.8314	1.7880	11.6290

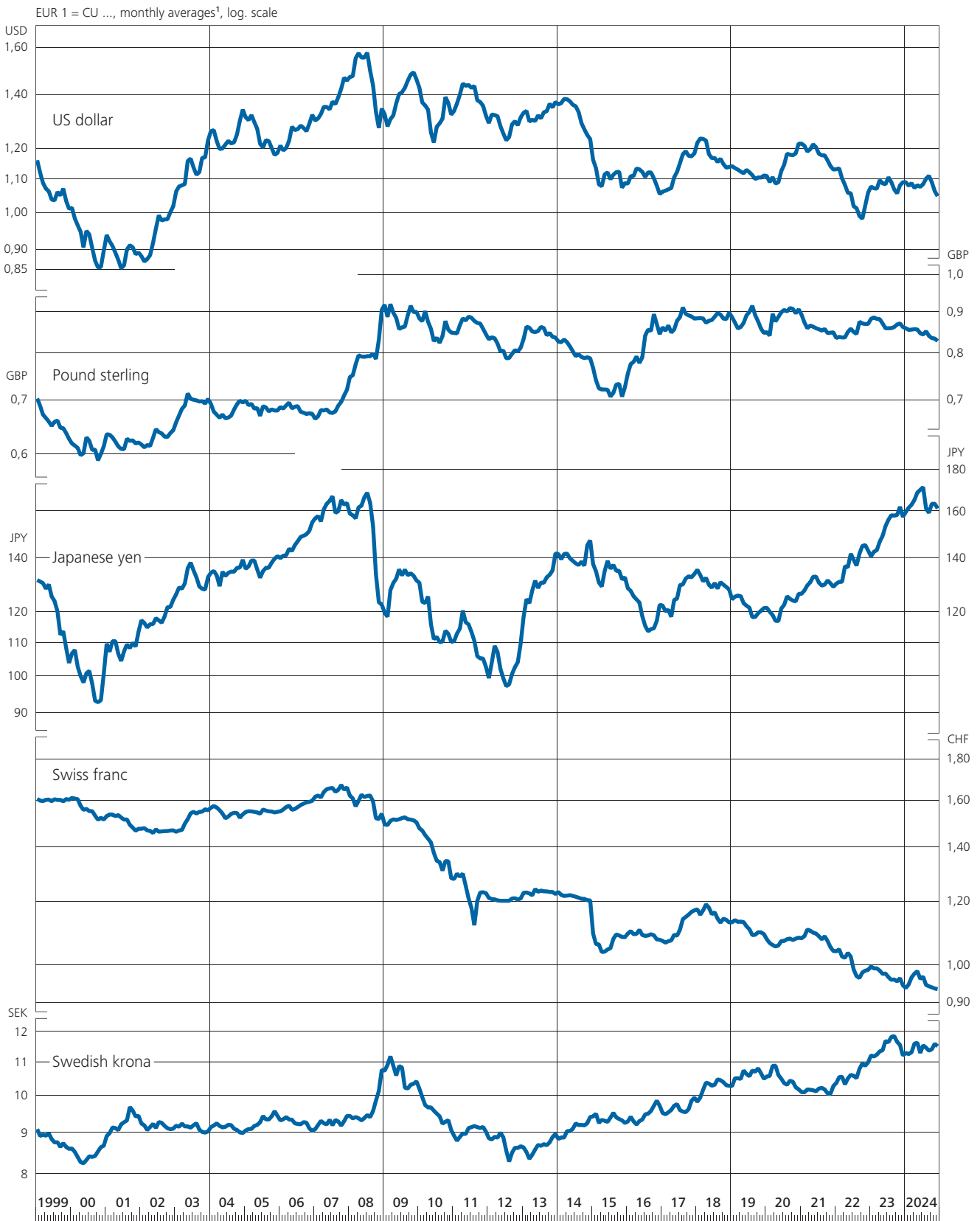
Other European and non-European countries (cont'd)									
Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States	
Philippine peso PHP	Russian rouble RUB ²	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD	
End of year									
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
2023	61.283	–	1.4591	20.3477	0.9260	37.973	32.6531	0.86905	1.1050
2024	60.301	–	1.4164	19.6188	0.9412	35.676	36.7372	0.82918	1.0389
Annual averages +									
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
2023	60.163	–	1.4523	19.9551	0.9718	37.631	25.7597	0.86979	1.0813
2024	62.007	–	1.4458	19.8297	0.9526	38.181	35.5734	0.84662	1.0824

* 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

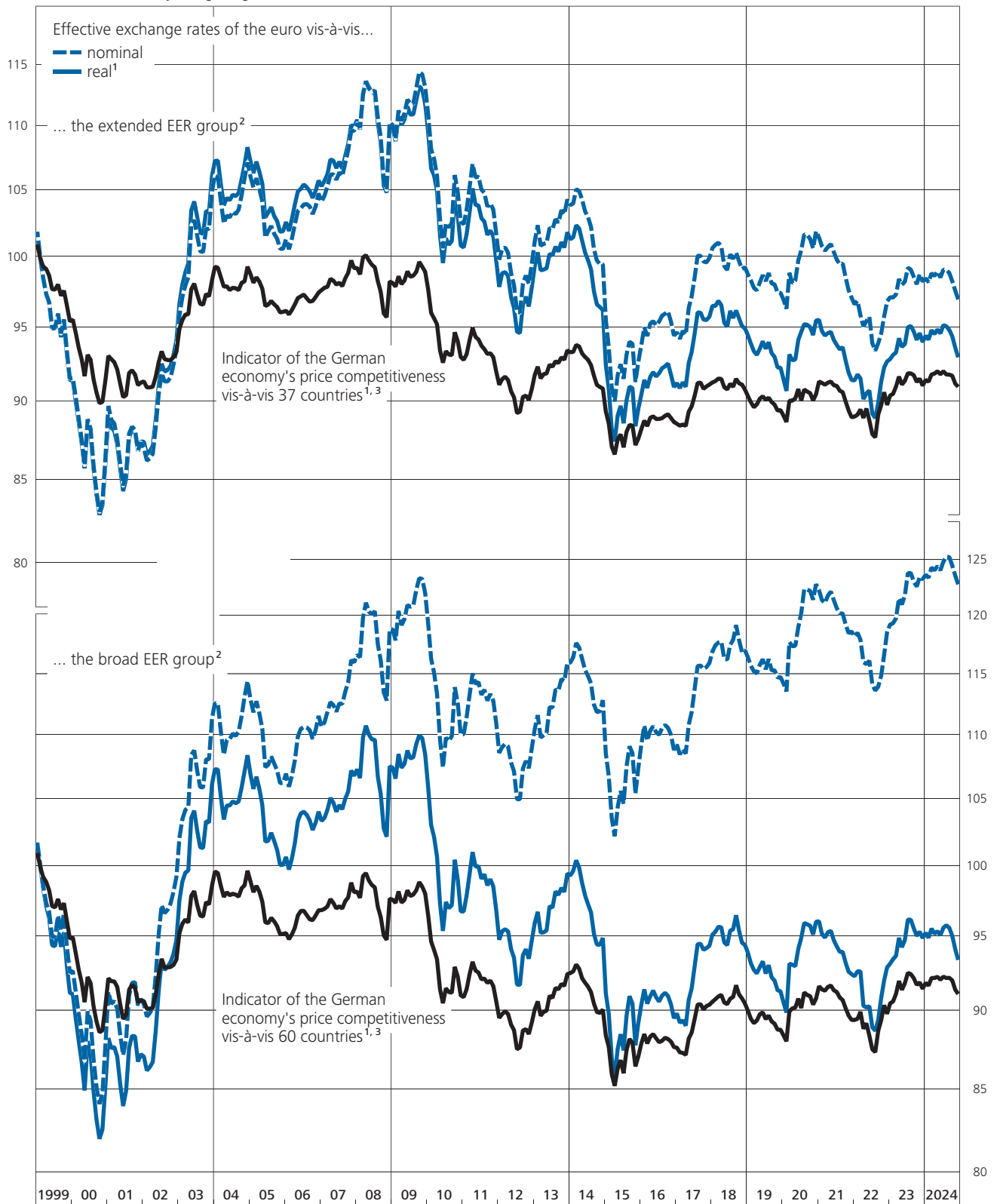


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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 com-

petitiveness. **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	95.8	96.1	96.5	95.9
2000	87.0	86.8	85.9	85.5	88.0	86.1
2001	87.4	87.1	86.7	84.5	90.1	86.9
2002	89.7	90.3	89.9	88.2	94.4	90.6
2003	100.5	101.6	101.3	99.5	106.5	101.7
2004	104.3	105.6	104.4	102.8	111.0	105.6
2005	102.9	104.3	102.4	100.9	109.1	103.2
2006	102.9	104.3	101.9	99.9	109.3	102.6
2007	106.5	107.3	104.2	101.6	112.9	104.8
2008	110.4	110.3	106.3	105.6	117.8	107.3
2009	111.9	111.1	107.7	109.1	120.8	108.3
2010	104.6	103.3	99.3	101.7	112.1	99.3
2011	104.4	102.4	97.4	100.0	112.9	98.8
2012	98.6	97.0	91.8	94.3	107.6	94.0
2013	102.2	100.1	94.9	97.2	112.4	97.0
2014	102.4	99.5	94.8	97.5	114.7	97.4
2015	92.5	89.7	86.0	86.6	106.1	88.7
2016	95.2	91.6	88.3	p	88.0	90.7
2017	97.5	93.6	89.5	p	89.0	92.0
2018	100.0	95.8	91.0	p	90.8	95.2
2019	98.1	93.3	89.3	p	88.4	92.5
2020	99.7	93.7	90.6	p	89.6	93.9
2021	99.6	93.7	89.2	p	87.6	94.3
2022	95.3	90.8	84.5	p	82.8	90.9
2023	98.1	94.0	89.0	p	86.6	94.7
2024	98.4	p	94.4	...	...	95.0
2023 Jan.	97.1	92.8	87.4	p	85.3	93.1
Feb.	97.0	93.1	87.4	p	85.3	93.4
Mar.	97.3	93.2	87.4	p	85.3	93.6
Apr.	98.4	94.2	88.9	p	86.1	94.9
May	98.0	93.6	88.9	p	86.1	94.2
June	98.2	93.8	88.9	p	86.1	94.7
July	99.2	95.0	90.0	p	87.4	96.1
Aug.	99.0	95.1	90.0	p	87.4	96.1
Sep.	98.5	94.7	90.0	p	87.4	95.5
Oct.	98.0	94.1	89.8	p	87.5	95.0
Nov.	98.7	94.6	89.8	p	87.5	95.3
Dec.	98.2	93.9	89.8	p	87.5	94.9
2024 Jan.	98.4	94.4	89.6	p	87.6	95.2
Feb.	98.1	94.1	89.6	p	87.6	94.9
Mar.	98.8	94.8	89.6	p	87.6	95.5
Apr.	98.6	94.5	89.7	p	87.8	95.2
May	98.9	94.8	89.7	p	87.8	95.3
June	98.5	94.5	89.7	p	87.8	95.1
July	99.0	p	95.1	p	87.9	95.6
Aug.	99.0	p	95.0	p	87.9	95.7
Sep.	98.8	p	94.8	p	87.9	95.6
Oct.	98.2	p	94.3	p	87.9	95.0
Nov.	97.5	p	93.6	...	...	94.1
Dec.	96.9	p	92.9	...	...	93.4
2024 Dec. 16	97.0	-	-	-	122.8	-
17	97.0	-	-	-	122.9	-
18	97.0	-	-	-	122.9	-
19	96.6	-	-	-	122.4	-
20	96.7	-	-	-	122.3	-
23	96.8	-	-	-	122.4	-
24	96.8	-	-	-	122.4	-
27	97.1	-	-	-	122.9	-
30	97.1	-	-	-	123.0	-
31	96.8	-	-	-	122.6	-
2025 Jan. 2	96.4	-	-	-	122.1	-
3	96.4	-	-	-	122.0	-
6	97.0	-	-	-	122.8	-
7	96.9	-	-	-	122.6	-
8	96.5	-	-	-	122.1	-
9	96.6	-	-	-	122.2	-
10	96.6	-	-	-	122.2	-
13	96.1	-	-	-	121.6	-
14	96.4	-	-	-	121.9	-
15	96.6	-	-	-	122.2	-

* 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	97.6	98.3	100.1	96.1	96.1	98.1	97.8		
2000	92.0	97.5	85.5	91.2	91.2	93.1	99.0	86.1	86.1	92.3	91.2		
2001	91.9	96.8	86.2	90.6	90.6	93.0	98.1	86.9	86.9	91.7	91.1		
2002	92.7	96.1	88.7	91.4	91.4	93.5	96.9	89.4	89.4	92.2	91.9		
2003	96.3	95.3	98.0	95.8	95.8	97.0	95.7	99.0	99.0	96.7	96.8		
2004	96.8	94.2	100.6	96.2	96.2	98.5	95.4	102.9	102.9	98.2	98.4		
2005	95.4	92.6	99.4	93.9	93.9	98.5	95.2	103.2	103.2	97.2	96.8		
2006	94.1	91.0	98.8	92.2	92.2	98.6	94.8	104.0	104.0	96.8	96.0		
2007	95.3	90.3	102.9	92.7	92.7	100.9	95.1	109.6	109.6	98.3	97.4		
2008	95.6	89.0	106.1	92.0	92.0	102.4	94.5	114.6	114.6	98.5	97.6		
2009	96.2	90.1	105.8	93.0	93.0	101.9	94.4	113.5	113.5	98.6	97.9		
2010	93.4	89.5	99.2	88.9	88.9	98.8	94.0	105.7	105.7	94.3	92.5		
2011	93.0	89.2	98.6	88.2	88.2	98.2	93.7	104.8	104.8	93.5	91.9		
2012	90.9	89.0	93.5	85.5	85.5	95.9	93.2	99.5	99.5	90.5	88.9		
2013	93.3	89.6	98.6	87.6	87.6	98.1	93.3	105.2	105.2	92.3	90.9		
2014	94.0	90.5	99.1	88.4	88.4	98.2	93.6	104.8	104.8	92.5	91.5		
2015	90.7	91.1	90.1	84.4	84.4	94.3	94.1	94.4	94.4	87.8	86.9		
2016	91.6	91.6	91.7	85.8	85.8	95.0	94.1	96.1	96.1	88.8	88.1		
2017	92.8	91.6	94.6	86.5	86.5	96.3	94.2	99.2	99.2	89.9	88.9		
2018	94.1	91.7	97.6	87.5	87.5	97.7	94.4	102.5	102.5	91.1	90.8		
2019	93.1	91.9	94.8	86.6	86.6	96.4	94.3	99.3	99.3	89.9	89.4		
2020	93.3	92.1	94.9	87.3	87.3	96.4	94.2	99.5	99.5	90.1	90.1		
2021	94.1	92.3	96.8	87.3	87.3	97.4	94.8	101.0	101.0	90.6	90.9		
2022	92.4	91.7	93.1	85.4	85.4	95.9	94.5	97.7	97.7	89.1	89.0		
2023	93.8	91.9	96.6	87.5	87.5	98.0	95.2	101.9	101.9	91.2	91.6		
2024	...	...	...	...	...	^p 98.0	^p 95.2	^p 102.0	^p 102.0	^p 91.6	^p 91.9
2021 July						97.8	95.3	101.3	101.3	91.0	91.2		
Aug.						97.4	95.1	100.7	100.7	90.7	90.8		
Sep.						97.3	94.8	100.7	100.7	90.6	90.7		
Oct.						96.7	94.6	99.6	99.6	90.0	90.1		
Nov.						96.1	94.3	98.6	98.6	89.4	89.6		
Dec.						95.8	94.1	97.9	97.9	88.9	89.4		
2022 Jan.						96.0	94.2	98.4	98.4	89.0	89.4		
Feb.						96.2	94.1	98.9	98.9	89.1	89.4		
Mar.						96.3	94.4	98.7	98.7	89.5	89.9		
Apr.						96.1	94.7	97.8	97.8	88.9	88.8		
May						96.5	95.2	98.1	98.1	89.5	89.1		
June						95.7	94.2	97.6	97.6	88.7	88.3		
July						94.8	94.1	95.4	95.4	87.9	87.5		
Aug.						94.5	93.9	94.9	94.9	87.6	87.3		
Sep.						95.9	94.9	96.9	96.9	89.1	88.7		
Oct.						96.0	94.6	97.6	97.6	89.7	89.4		
Nov.						97.0	95.3	99.2	99.2	90.6	90.3		
Dec.						96.2	94.1	99.1	99.1	89.7	89.8		
2023 Jan.						97.5	94.9	101.0	101.0	90.4	90.4		
Feb.						97.6	95.0	101.2	101.2	90.5	90.6		
Mar.						98.1	95.4	101.7	101.7	90.9	91.1		
Apr.						98.6	95.6	102.8	102.8	91.6	91.9		
May						98.1	95.3	101.9	101.9	91.1	91.3		
June						98.2	95.5	102.1	102.1	91.3	91.8		
July						98.4	95.3	102.8	102.8	91.8	92.5		
Aug.						98.3	95.2	102.6	102.6	91.8	92.4		
Sep.						98.0	95.3	101.9	101.9	91.7	92.1		
Oct.						97.7	95.1	101.3	101.3	91.3	91.7		
Nov.						98.1	95.1	102.4	102.4	91.5	91.8		
Dec.						97.6	94.9	101.3	101.3	91.0	91.4		
2024 Jan.						97.8	95.1	101.6	101.6	91.4	^p 91.8		
Feb.						97.7	95.0	101.4	101.4	91.3	^p 91.6		
Mar.						98.1	95.2	102.3	102.3	91.8	^p 92.1		
Apr.						98.3	95.4	102.5	102.5	91.8	^p 92.1		
May						98.6	95.4	103.2	103.2	92.0	^p 92.2		
June						98.1	95.2	102.3	102.3	91.8	^p 92.0		
July						98.4	95.2	103.0	103.0	^p 92.0	^p 92.2		
Aug.						98.1	95.0	102.7	102.7	^p 91.8	^p 92.1		
Sep.						98.2	95.2	102.5	102.5	^p 91.8	^p 92.1		
Oct.						98.1	95.3	102.0	102.0	^p 91.7	^p 92.0		
Nov.						^p 97.4	^p 95.1	100.7	100.7	^p 91.1	^p 91.4		
Dec.						^p 97.2	^p 95.2	^p 99.8	^p 99.8	^p 90.9	^p 91.1		

* 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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Afghanistan							
Kabul	Afghani = 100 puls	B	USD 1 =	AFN 70.8318	AFN 67.0320	AFN 68.0371	AFN 70.3918
		S	USD 1 =	AFN 70.9318	AFN 67.1320	AFN 68.1371	AFN 70.4918
	AFN	B	EUR 1 =	AFN 76.1078	AFN 72.7724	AFN 71.8325	AFN 73.6412
		S	EUR 1 =	AFN 76.3678	AFN 73.0324	AFN 72.0925	AFN 73.9012
Albania							
Tirana	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 93.07	ALL 90.45	ALL 93.45	ALL 94.26
		M	EUR 1 =	ALL 100.58	ALL 98.29	ALL 98.35	ALL 98.15
Algeria							
Algiers	Algerian dinar = 100 centimes	B	USD 1 =	DZD 134.0431	DZD 133.0862	DZD 133.3529	DZD 135.7427
		S	USD 1 =	DZD 134.0581	DZD 133.1012	DZD 133.3679	DZD 135.7577
	DZD	B	EUR 1 =	DZD 145.0113	DZD 144.8377	DZD 140.8073	DZD 141.0774
		S	EUR 1 =	DZD 145.0593	DZD 144.8673	DZD 140.8365	DZD 141.1201
Angola							
Luanda	Kwanza = 100 cêntimos AOA	M	USD 1 =	AOA 874.199	AOA 909.051	AOA 910.982	AOA 912.000
		M	EUR 1 =	AOA 944.703	AOA 986.230	AOA 962.908	AOA 949.483
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 2.9097	XCD 2.9253	XCD 2.8393	XCD 2.7928
		V, S	EUR 1 =	XCD 2.9408	XCD 2.9565	XCD 2.8696	XCD 2.8226
Argentina 1							
Buenos Aires	Argentine peso = 100 centavos	B	USD 1 =	ARS 913.1709	ARS 989.0000	ARS 1,008.5000	ARS 1,029.0000
		S	USD 1 =	ARS 916.1709	ARS 992.0000	ARS 1,011.5000	ARS 1,032.0000
	ARS	B	EUR 1 =	ARS 987.5162	ARS 1,073.3617	ARS 1,065.3794	ARS 1,068.6165
		S	EUR 1 =	ARS 993.0517	ARS 1,079.0976	ARS 1,071.0774	ARS 1,074.3120
Armenia							
Yerevan	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 392.63	AMD 387.62	AMD 394.64	AMD 396.56
		M	EUR 1 =	AMD 424.43	AMD 421.19	AMD 416.82	AMD 413.89
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 192.51	AWG 193.49	AWG 188.10	AWG 185.49
		S	EUR 100 =	AWG 194.44	AWG 195.44	AWG 189.99	AWG 187.35

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Australia							
Canberra	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6603	USD 0.6569	USD 0.6517	USD 0.6217
		M	AUD 1 =	EUR 0.6092	EUR 0.6055	EUR 0.6166	EUR 0.5974
Austria							
Vienna	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
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 1.8366	AZN 1.8441	AZN 1.7969	AZN 1.7724
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	EUR 1 =	BSD 1.07699	BSD 1.08276	BSD 1.05092	BSD 1.03371
		V, S	EUR 1 =	BSD 1.09593	BSD 1.10180	BSD 1.06940	BSD 1.05189
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 0.4062118	BHD 0.4081800	BHD 0.3968410	BHD 0.3912560
Bangladesh ¹							
Dhaka	Taka = 100 poisha BDT	B	USD 1 =	BDT 115.3250	BDT 119.0000	BDT 119.0000	BDT 119.0000
		S	USD 1 =	BDT 116.1583	BDT 120.0000	BDT 120.0000	BDT 120.0000
		B	EUR 1 =	BDT 123.4834	BDT 127.3181	BDT 123.7957	BDT 124.6168
		S	EUR 1 =	BDT 130.9481	BDT 133.2000	BDT 129.6480	BDT 131.4000
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	EUR 1 =	BBD 2.15122	BBD 2.16428	BBD 2.10146	BBD 2.07119
		S	EUR 1 =	BBD 2.19155	BBD 2.20485	BBD 2.14085	BBD 2.11002
Belarus							
Minsk	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 3.2601	BYN 3.3185	BYN 3.5951	BYN 3.4735
		M	EUR 1 =	BYN 3.5209	BYN 3.5975	BYN 3.7873	BYN 3.6246

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Belgium							
Brussels	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Belize							
Belmopan	Belize dollar = 100 cents BZD	2 B	USD 1 =	BZD 2.0000	BZD 2.0000	BZD 2.0000	BZD 2.0000
		2 S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
		B	EUR 1 =	BZD 2.1425	BZD 2.1530	BZD 2.0939	BZD 2.0590
		S	EUR 1 =	BZD 2.1803	BZD 2.1910	BZD 2.1309	BZD 2.0954
Benin ¹							
Porto-Novo Seat of government: Cotonou	CFA franc XOF	B	USD 1 =	XOF 604.06	XOF 600.50	XOF 616.75	XOF 626.75
		S	USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
		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
		2 S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
		V, B	EUR 1 =	BMD 1.0781	BMD 1.0838	BMD 1.0520	BMD 1.0347
		V, S	EUR 1 =	BMD 1.0871	BMD 1.0929	BMD 1.0607	BMD 1.0434
Bhutan ¹							
Thimphu	Ngultrum = 100 chhetrum BTN	B	USD 1 =	BTN 83.57	BTN 83.86	BTN 84.29	BTN 85.31
		S	USD 1 =	BTN 85.12	BTN 85.45	BTN 85.85	BTN 86.90
		B	EUR 1 =	BTN 90.30	BTN 90.92	BTN 88.77	BTN 89.02
		S	EUR 1 =	BTN 91.60	BTN 92.25	BTN 90.00	BTN 90.30
Bolivia, Plurinational State of ¹							
Sucre Seat of government: La Paz	Boliviano = 100 centavos BOB	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
		V, B	EUR 1 =	BOB 7.4251	BOB 7.4651	BOB 7.2455	BOB 7.1269
		V, S	EUR 1 =	BOB 7.5333	BOB 7.5739	BOB 7.3512	BOB 7.2307
Bosnia and Herzegovina							
Sarajevo	Convertible marka = 100 feninga BAM	B	USD 1 =	BAM 1.807028	BAM 1.803921	BAM 1.847132	BAM 1.868001
		S	USD 1 =	BAM 1.816086	BAM 1.812963	BAM 1.856390	BAM 1.877365
		3	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone	Pula = 100 thebe BWP	B	BWP 1 =	USD 0.0737	USD 0.0745	USD 0.0735	USD 0.0716
		S	BWP 1 =	USD 0.0735	USD 0.0744	USD 0.0734	USD 0.0714
		B	BWP 1 =	EUR 0.0683	EUR 0.0692	EUR 0.0696	EUR 0.0689
		S	BWP 1 =	EUR 0.0681	EUR 0.0690	EUR 0.0694	EUR 0.0687

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Brazil							
Brasília	Brazilian real = 100 centavos	B	USD 1 =	BRL 5.3914	BRL 5.7773	BRL 6.0529	BRL 6.1917
		S	USD 1 =	BRL 5.3920	BRL 5.7779	BRL 6.0535	BRL 6.1923
	BRL	B	EUR 1 =	BRL 5.9066	BRL 6.2713	BRL 6.3931	BRL 6.4344
		S	EUR 1 =	BRL 5.9082	BRL 6.2725	BRL 6.3943	BRL 6.4363
Brunei Darussalam ¹							
Bandar Seri Begawan	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3288	BND 1.3139	BND 1.3327	BND 1.3486
		S	USD 1 =	BND 1.3467	BND 1.3319	BND 1.3500	BND 1.3666
	BND	B	EUR 1 =	BND 1.4190	BND 1.4104	BND 1.3919	BND 1.3904
		S	EUR 1 =	BND 1.4731	BND 1.4644	BND 1.4452	BND 1.4447
Bulgaria							
Sofia	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.80748	BGN 1.79731	BGN 1.85176	BGN 1.88260
		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 604.06	XOF 600.50	XOF 616.75	XOF 626.75
		S	USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Gitega	Burundi franc = 100 centimes	B	USD 1 =	BIF 2,863.9457	BIF 2,882.0278	BIF 2,886.7200	BIF 2,891.6701
		S	USD 1 =	BIF 2,911.1043	BIF 2,928.5122	BIF 2,933.2800	BIF 2,938.3099
	BIF	B	EUR 1 =	BIF 3,091.2697	BIF 3,126.8561	BIF 3,050.6857	BIF 3,008.7827
		S	EUR 1 =	BIF 3,142.1625	BIF 3,177.2893	BIF 3,099.8903	BIF 3,057.3115
Cabo Verde							
Praia	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 102.062	CVE 101.855	CVE 104.495	CVE 105.567
		S	USD 1 =	CVE 102.264	CVE 102.057	CVE 104.697	CVE 105.769
	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 4,067	KHR 4,063	KHR 4,028	KHR 4,025
		B	EUR 1 =	KHR 4,387	KHR 4,395	KHR 4,243	KHR 4,192
	S	EUR 1 =	KHR 4,431	KHR 4,439	KHR 4,286	KHR 4,234	
Cameroon ¹							
Yaoundé	CFA franc	B	USD 1 =	XAF 604.3510	XAF 601.2180	XAF 617.0473	XAF 627.3397
		S	USD 1 =	XAF 608.4228	XAF 608.1108	XAF 622.8761	XAF 628.4317
	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 1.3698	CAD 1.3916	CAD 1.4010	CAD 1.4389
		M	EUR 1 =	CAD 1.4816	CAD 1.5122	CAD 1.4799	CAD 1.4928

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
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 0.9020	KYD 0.9068	KYD 0.8802	KYD 0.8658
Central African Republic ¹							
Bangui	CFA franc XAF	B	USD 1 =	XAF 604.3510	XAF 601.2180	XAF 617.0473	XAF 627.3397
		S	USD 1 =	XAF 608.4228	XAF 608.1108	XAF 622.8761	XAF 628.4317
		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 604.3510	XAF 601.2180	XAF 617.0473	XAF 627.3397
		S	USD 1 =	XAF 608.4228	XAF 608.1108	XAF 622.8761	XAF 628.4317
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago Seat of parliament: Valparaíso	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 943.58	CLP 950.89	CLP 977.32	CLP 992.12
		M	EUR 1 =	CLP 1,020.62	CLP 1,027.43	CLP 1,031.25	CLP 1,033.57
China							
Beijing	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 7.1217	CNY 7.1250	CNY 7.1877	CNY 7.1884
		M	EUR 1 =	CNY 7.7066	CNY 7.7368	CNY 7.6087	CNY 7.5257
		M	HKD 1 =	CNY 0.91266	CNY 0.91673	CNY 0.92355	CNY 0.92604
China (Taiwan)							
Taipei	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 32.078	TWD 31.990	TWD 32.420	TWD 32.735
		S	USD 1 =	TWD 32.179	TWD 32.090	TWD 32.520	TWD 32.835
		B	EUR 1 =	TWD 34.56	TWD 34.60	TWD 34.15	TWD 33.94
S	EUR 1 =	TWD 34.96	TWD 35.00	TWD 34.55	TWD 34.34		
Colombia							
Bogotá	Colombian peso = 100 centavos COP	M	USD 1 =	COP 4,073.88	COP 4,413.46	COP 4,406.16	COP 4,409.15
		V	EUR 1 =	COP 4,406.761	COP 4,802.727	COP 4,653.786	COP 4,580.666
Comoros							
Moroni	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 454.51566	KMF 452.09314	KMF 465.79033	KMF 473.54678
		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 604.3510	XAF 601.2180	XAF 617.0473	XAF 627.3397
		S	USD 1 =	XAF 608.4228	XAF 608.1108	XAF 622.8761	XAF 628.4317
		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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Congo, Democratic Republic of the							
Kinshasa	Congo franc = 100 centimes CDF	M	USD 1 =	CDF 2,815.7489	CDF 2,849.8256	CDF 2,846.2671	CDF 2,845.0572
		M	EUR 1 =	CDF 3,045.2072	CDF 3,083.1151	CDF 3,001.9797	CDF 2,991.7825
Cook Islands 1							
Avarua	Cook Islands dollar 2 = 100 cents NZD	B	NZD 1 =	EUR 0.5693	EUR 0.5593	EUR 0.5669	EUR 0.5511
		S	NZD 1 =	EUR 0.5488	EUR 0.5421	EUR 0.5492	EUR 0.5339
Costa Rica							
San José	Costa Rican colón = 100 céntimos CRC	B	USD 1 =	CRC 512.04	CRC 509.26	CRC 504.56	CRC 506.66
		S	USD 1 =	CRC 518.45	CRC 515.61	CRC 511.54	CRC 512.73
		V, B V, S	EUR 1 = EUR 1 =	CRC 553.4613 CRC 560.3865	CRC 554.1767 CRC 561.0868	CRC 532.9163 CRC 540.2885	CRC 526.3691 CRC 532.6752
Côte d'Ivoire 1							
Yamoussoukro Seat of government: Abidjan	CFA franc XOF	B	USD 1 =	XOF 604.06	XOF 600.50	XOF 616.75	XOF 626.75
		S	USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
		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 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Cuba 1							
Havana	Cuban peso = 100 centavos CUP	4 5	USD 1 =	CUP 24.00	CUP 24.00	CUP 24.00	CUP 24.00
		5	EUR 1 =	CUP 25.9046	CUP 26.0628	CUP 25.3308	CUP 24.9132
		6	USD 1 =	CUP 120.00	CUP 120.00	CUP 120.00	CUP 120.00
		6	EUR 1 =	CUP 129.5230	CUP 130.3140	CUP 126.6540	CUP 124.5660
Curaçao							
Willemstad	Netherlands Antillean guilder = 100 cents ANG	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 S	EUR 100 = EUR 100 =	ANG 192.51 ANG 196.39	ANG 193.49 ANG 197.39	ANG 188.10 ANG 191.89	ANG 185.50 ANG 189.23
Cyprus							
Nicosia	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Czechia							
Prague	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 23.208	CZK 23.278	CZK 23.922	CZK 24.237
		M	EUR 1 =	CZK 25.156	CZK 25.325	CZK 25.265	CZK 25.185

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.

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Denmark							
Copenhagen	Danish krone = 100 øre DKK	M	USD 100 =	DKK 689.06	DKK 685.54	DKK 706.11	DKK 714.29
		M	EUR 100 =	DKK 745.81	DKK 746.01	DKK 745.79	DKK 746.00
Djibouti							
Djibouti	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.26	DJF 175.45	DJF 175.45	DJF 175.45
		2 S	USD 1 =	DJF 179.50	DJF 179.50	DJF 179.50	DJF 179.50
		B	EUR 1 =	DJF 189.30	DJF 190.35	DJF 185.21	DJF 182.60
		S	EUR 1 =	DJF 197.01	DJF 197.78	DJF 192.44	DJF 189.73
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 2.9097	XCD 2.9253	XCD 2.8393	XCD 2.7928
		V, S	EUR 1 =	XCD 2.9408	XCD 2.9565	XCD 2.8696	XCD 2.8226
Dominican Republic							
Santo Domingo	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 58.4828	DOP 59.0545	DOP 59.2436	DOP 59.9618
		S	USD 1 =	DOP 59.7490	DOP 60.2636	DOP 60.4609	DOP 61.2627
		B	EUR 1 =	DOP 62.7073	DOP 63.5175	DOP 61.9574	DOP 62.0376
		S	EUR 1 =	DOP 66.4812	DOP 67.2062	DOP 65.7849	DOP 65.8133
Egypt							
Cairo	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 45.50	EGP 48.88	EGP 49.54	EGP 50.78
		S	USD 1 =	EGP 45.60	EGP 48.98	EGP 49.64	EGP 50.88
		B	EUR 1 =	EGP 49.0446	EGP 53.0104	EGP 52.1557	EGP 52.5471
		S	EUR 1 =	EGP 49.3646	EGP 53.3245	EGP 52.4645	EGP 53.0373
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 9.4710	SVC 9.5218	SVC 9.2418	SVC 9.0904
Equatorial Guinea ¹							
Malabo	CFA franc XAF	B	USD 1 =	XAF 604.3510	XAF 601.2180	XAF 617.0473	XAF 627.3397
		S	USD 1 =	XAF 608.4228	XAF 608.1108	XAF 622.8761	XAF 628.4317
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara	Nakfa = 100 cents 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 16.2038	ERN 16.2300	ERN 15.8250	ERN 15.6720
		S	EUR 1 =	ERN 16.8400	ERN 16.8662	ERN 16.4612	ERN 16.3082
Estonia							
Tallinn	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389

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 Exchange rate as of 27 May 2024.

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Eswatini ¹							
Mbabane Seat of parliament: Lobamba	Lilangeni = 100 cents	B	USD 1 =	SZL 18.3588	SZL 17.6674	SZL 18.1354 ²	SZL 18.7297
		S	USD 1 =	SZL 18.3683	SZL 17.6757	SZL 18.1478 ²	SZL 18.7402
	SZL	B	EUR 1 =	SZL 19.8244	SZL 19.1123	SZL 19.0220 ²	SZL 19.4995
S		EUR 1 =	SZL 19.8371	SZL 19.1244	SZL 19.0369 ²	SZL 19.5142	
Ethiopia							
Addis Ababa	Birr = 100 cents	B	USD 1 =	ETB 83.4087	ETB 119.2044	ETB 122.5986	ETB 123.5986
		S	USD 1 =	ETB 86.6169	ETB 121.5885	ETB 125.0506	ETB 126.0706
	ETB	B	EUR 1 =	ETB 89.8282	ETB 128.8242	ETB 127.7110	ETB 129.0493
S		EUR 1 =	ETB 93.3341	ETB 131.4007	ETB 130.2652	ETB 131.6303	
Falkland Islands (Islas Malvinas)							
Stanley	Falkland Islands pound ³ = 100 pence	V	USD 1 =	FKP 0.78217	FKP 0.76965	FKP 0.78778	FKP 0.79813
		V	EUR 1 =	FKP 0.84662	FKP 0.83753	FKP 0.83205	FKP 0.82918
	FKP	B	EUR 1 =	EUR 0.4131	EUR 0.4097	EUR 0.4187	EUR 0.4150
		S	EUR 1 =	EUR 0.4011	EUR 0.3977	EUR 0.4067	EUR 0.4030
Fiji							
Suva	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4487	USD 0.4475	USD 0.4446	USD 0.4344
		S	FJD 1 =	USD 0.4317	USD 0.4305	USD 0.4276	USD 0.4174
	FJD	B	FJD 1 =	EUR 0.4131	EUR 0.4097	EUR 0.4187	EUR 0.4150
S		FJD 1 =	EUR 0.4011	EUR 0.3977	EUR 0.4067	EUR 0.4030	
Finland							
Helsinki	Euro = 100 cent	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
	EUR						
France							
Paris	Euro = 100 cent	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
	EUR						
Gabon ¹							
Libreville	CFA franc	B	USD 1 =	XAF 604.3510	XAF 601.2180	XAF 617.0473	XAF 627.3397
		S	USD 1 =	XAF 608.4228	XAF 608.1108	XAF 622.8761	XAF 628.4317
	XAF	4	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul	Dalasi = 100 bututs	M	USD 1 =	GMD 67.82	GMD 68.41	GMD 69.17	GMD 69.89
		M	EUR 1 =	GMD 74.30	GMD 77.17	GMD 75.88	GMD 75.07
	GMD						
Georgia							
Tbilisi	Lari = 100 tetri	M	USD 1 =	GEL 2.7214	GEL 2.7468	GEL 2.7418	GEL 2.8068
		M	EUR 1 =	GEL 2.9450	GEL 2.9759	GEL 2.8907	GEL 2.9306
	GEL						

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 Exchange rate

as of 3 December 2024. ³ Parity in relation to the pound sterling. 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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Germany							
Berlin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Ghana							
Accra	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 =	GHS 14.2868	GHS 16.2919	GHS 15.2624	GHS 14.6927
			USD 1 =	GHS 14.3011	GHS 16.3082	GHS 15.2776	GHS 14.7074
		B S	EUR 1 =	GHS 15.4238	GHS 17.6904	GHS 16.1217	GHS 15.2065
			EUR 1 =	GHS 15.4387	GHS 17.7079	GHS 16.1364	GHS 15.2217
Gibraltar							
Gibraltar	Gibraltar pound ² = 100 pence GIP	V V	USD 1 =	GIP 0.78217	GIP 0.76965	GIP 0.78778	GIP 0.79813
			EUR 1 =	GIP 0.84662	GIP 0.83753	GIP 0.83205	GIP 0.82918
Greece							
Athens	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Grenada							
St George's	East Caribbean dollar = 100 cents XCD	3 B 3 S	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
			USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B V, S	EUR 1 =	XCD 2.9097	XCD 2.9253	XCD 2.8393	XCD 2.7928
			EUR 1 =	XCD 2.9408	XCD 2.9565	XCD 2.8696	XCD 2.8226
Guatemala							
Guatemala City	Quetzal = 100 centavos GTQ	M V	USD 1 =	GTQ 7.75659	GTQ 7.72505	GTQ 7.71740	GTQ 7.70625
			EUR 1 =	GTQ 8.38320	GTQ 8.40640	GTQ 8.15112	GTQ 8.00602
Guinea							
Conakry	Guinean franc GNF	M M	USD 1 =	GNF 8,542.6764	GNF 8,563.1016	GNF 8,551.9584	GNF 8,601.6963
			EUR 1 =	GNF 9,217.4013	GNF 9,237.5761	GNF 9,006.0699	GNF 8,939.7438
Guinea-Bissau ¹							
Bissau	CFA franc XOF	B S	USD 1 =	XOF 604.06	XOF 600.50	XOF 616.75	XOF 626.75
			USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
		4	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Guyana							
Georgetown	Guyana dollar = 100 cents GYD	B S	USD 1 =	GYD 207.98	GYD 207.98	GYD 207.98	GYD 207.98
			USD 1 =	GYD 210.45	GYD 210.45	GYD 210.45	GYD 210.45
		B S	EUR 1 =	GYD 224.44	GYD 224.47	GYD 219.50	GYD 216.38
			EUR 1 =	GYD 227.33	GYD 227.35	GYD 222.32	GYD 219.17

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Haiti							
Port-au-Prince	Gourde = 100 centimes HTG	M	USD 1 =	HTG 131.6611	HTG 131.1781	HTG 130.6438	HTG 130.4157
		V	EUR 1 =	HTG 142.3008	HTG 142.7480	HTG 137.9860	HTG 135.4889
Honduras							
Tegucigalpa	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.8294	HNL 24.9661	HNL 25.1766	HNL 25.3800
		S	USD 1 =	HNL 24.9535	HNL 25.0909	HNL 25.3025	HNL 25.5069
		V, B	EUR 1 =	HNL 26.8323	HNL 27.1681	HNL 26.5915	HNL 26.3673
		V, S	EUR 1 =	HNL 26.9665	HNL 27.3039	HNL 26.7245	HNL 26.4991
Hong Kong							
Hong Kong	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.77096	HKD 7.74200	HKD 7.75240	HKD 7.73520
		S	USD 1 =	HKD 7.83277	HKD 7.80360	HKD 7.81400	HKD 7.79680
		B	EUR 1 =	HKD 8.35968	HKD 8.36970	HKD 8.15790	HKD 8.01060
		S	EUR 1 =	HKD 8.50039	HKD 8.50700	HKD 8.29520	HKD 8.14790
Hungary							
Budapest	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 365.24	HUF 375.81	HUF 391.30	HUF 393.60
		M	EUR 1 =	HUF 397.17	HUF 406.44	HUF 413.13	HUF 410.09
Iceland							
Reykjavík	Icelandic krona ISK	M	USD 1 =	ISK 137.938	ISK 136.83	ISK 137.95	ISK 138.20
		M	EUR 1 =	ISK 148.980	ISK 148.90	ISK 145.70	ISK 143.90
India ¹							
New Delhi	Indian rupee = 100 paise INR	M	USD 1 =	INR 83.6779	INR 84.0886	INR 84.4971	INR 85.6232
		M	EUR 1 =	INR 90.4525	INR 91.2505	INR 89.3568	INR 89.0852
Indonesia							
Jakarta	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 15,778.75	IDR 15,653.34	IDR 15,784.68	IDR 16,081.19
		S	USD 1 =	IDR 15,937.33	IDR 15,810.66	IDR 15,943.32	IDR 16,242.81
		B	EUR 1 =	IDR 17,078.99	IDR 16,933.78	IDR 16,633.90	IDR 16,766.25
		S	EUR 1 =	IDR 17,255.32	IDR 17,108.72	IDR 16,804.26	IDR 16,936.38
Iran, Islamic Republic of ¹							
Tehran	Iranian rial = 100 dinars IRR	2	USD 1 =	IRR 306,668	IRR 444,081	IRR 465,292	IRR 570,727
		2	EUR 1 =	IRR 330,716	IRR 482,447	IRR 490,702	IRR 594,880
		3	USD 1 =	IRR 635,833	IRR 686,500	IRR 705,500	IRR 815,000
		3	EUR 1 =	IRR 686,250	IRR 745,000	IRR 746,500	IRR 852,000

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Iraq							
Baghdad	Iraqi dinar = 1,000 fils	2 B	USD 1 =	IQD 1,300.00	IQD 1,300.00	IQD 1,300.00	IQD 1,300.00
		2 S	USD 1 =	IQD 1,310.00	IQD 1,310.00	IQD 1,310.00	IQD 1,310.00
	IQD	B	EUR 1 =	IQD 1,403.935	IQD 1,414.660	IQD 1,371.890	IQD 1,345.890
		S	EUR 1 =	IQD 1,414.735	IQD 1,425.542	IQD 1,382.443	IQD 1,356.243
Ireland							
Dublin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Israel							
Jerusalem	New shekel = 100 agorot ILS	M	USD 1 =	ILS 3.6990	ILS 3.7140	ILS 3.6430	ILS 3.6470
		M	EUR 1 =	ILS 3.9868	ILS 4.0418	ILS 3.8519	ILS 3.7964
Italy							
Rome	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Jamaica							
Kingston	Jamaican dollar = 100 cents	B	USD 1 =	JMD 155.5810	JMD 157.6271	JMD 156.5062	JMD 154.6790
		S	USD 1 =	JMD 157.1784	JMD 159.1069	JMD 158.0109	JMD 156.2507
	JMD	B	EUR 1 =	JMD 164.3507	JMD 167.3503	JMD 161.2597	JMD 161.8583
		S	EUR 1 =	JMD 171.5193	JMD 173.3679	JMD 168.9611	JMD 163.7935
Japan							
Tokyo	Japanese yen = 100 sen	B	USD 1 =	JPY 150.71	JPY 152.64	JPY 149.74	JPY 157.18
		S	USD 1 =	JPY 152.71	JPY 154.64	JPY 151.74	JPY 159.18
	JPY	B	EUR 1 =	JPY 162.86	JPY 165.23	JPY 157.70	JPY 163.42
		S	EUR 1 =	JPY 165.86	JPY 168.23	JPY 160.70	JPY 166.42
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 0.76318	JOD 0.76761	JOD 0.74524	JOD 0.73604
		S	EUR 1 =	JOD 0.76823	JOD 0.77213	JOD 0.75040	JOD 0.74010
Kazakhstan							
Astana	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 470.22	KZT 488.45	KZT 511.22	KZT 523.54
		M	EUR 1 =	KZT 507.72	KZT 529.19	KZT 540.05	KZT 546.47

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Kenya ¹							
Nairobi	Kenya shilling = 100 cents KES	M	USD 1 =	KES 133.8034	KES 129.1999	KES 129.6754	KES 129.2927
		M	EUR 1 =	KES 144.4842	KES 140.1754	KES 137.0928	KES 134.2899
Korea, Democratic People's Republic of ¹							
Pyongyang	North Korean won = 100 chon KPW	B	USD 1 =	.	.	.	.
		S	USD 1 =	.	.	.	
		B	EUR 1 =	.	.	.	.
		S	EUR 1 =	.	.	.	.
Korea, Republic of							
Seoul	South Korean won = 100 chon KRW	B	USD 1 =	KRW 1,353.39	KRW 1,362.60	KRW 1,382.90	KRW 1,462.60
		S	USD 1 =	KRW 1,379.85	KRW 1,389.40	KRW 1,410.10	KRW 1,491.40
		B	EUR 1 =	KRW 1,464.07	KRW 1,482.74	KRW 1,461.41	KRW 1,514.51
		S	EUR 1 =	KRW 1,493.64	KRW 1,512.68	KRW 1,490.93	KRW 1,545.09
Kuwait							
Kuwait	Kuwaiti dinar = 1,000 fils KWD	B	USD 1 =	KWD 0.30547	KWD 0.30505	KWD 0.30595	KWD 0.30680
		S	USD 1 =	KWD 0.30894	KWD 0.30865	KWD 0.30955	KWD 0.31040
		B	EUR 1 =	KWD 0.329923	KWD 0.331056	KWD 0.323160	KWD 0.318075
		S	EUR 1 =	KWD 0.333677	KWD 0.334962	KWD 0.326962	KWD 0.321807
Kyrgyzstan							
Bishkek	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 87.1555	KGS 85.8000	KGS 86.8000	KGS 87.0000
		M	EUR 1 =	KGS 94.1079	KGS 93.0072	KGS 91.7563	KGS 90.5844
Lao People's Democratic Republic							
Vientiane	Kip LAK	B	USD 1 =	LAK 21,511	LAK 21,889	LAK 21,735	LAK 21,481
		S	USD 1 =	LAK 21,690	LAK 22,036	LAK 21,998	LAK 21,859
		B	EUR 1 =	LAK 23,213	LAK 23,778	LAK 22,843	LAK 22,520
		S	EUR 1 =	LAK 23,481	LAK 24,014	LAK 23,297	LAK 22,967
Latvia							
Riga	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Lebanon							
Beirut	Lebanese pound = 100 piastres LBP	M	USD 1 =	LBP 83,291.67	LBP 89,500.00	LBP 89,500.00	LBP 89,500.00
		M	EUR 1 =	LBP 86,664.52	LBP 97,313.00	LBP 94,619.00	LBP 93,465.00

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Lesotho ¹							
Maseru	Loti = 100 lisente LSL	M	USD 1 =	LSL 18.3334	LSL 17.7343	LSL 18.1156	LSL 18.6768
		M	EUR 1 =	LSL 19.7949	LSL 19.1186	LSL 19.0161	LSL 19.4763
Liberia ¹							
Monrovia	Liberian dollar = 100 cents LRD	B	USD 1 =	LRD 190.4472	LRD 191.0561	LRD 178.3755	LRD 183.6792
		S	USD 1 =	LRD 192.1665	LRD 192.3502	LRD 180.0019	LRD 185.6016
		V, B V, S	EUR 1 = EUR 1 =	LRD 205.8920 LRD 207.7515	LRD 207.9072 LRD 209.3155	LRD 188.4002 LRD 190.1180	LRD 190.8243 LRD 192.8215
Libya							
Tripoli	Libyan dinar = 1,000 dirham LYD	B	USD 1 =	LYD 4.8252	LYD 4.8079	LYD 4.8665	LYD 4.9036
		S	USD 1 =	LYD 4.8494	LYD 4.8320	LYD 4.8909	LYD 4.9281
		B S	EUR 1 = EUR 1 =	LYD 5.2091 LYD 5.2352	LYD 5.2166 LYD 5.2427	LYD 5.1332 LYD 5.1589	LYD 5.1007 LYD 5.1263
Lithuania							
Vilnius	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Luxembourg							
Luxembourg	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Macao ¹							
Macao	Pataca = 100 avos MOP	B	USD 1 =	MOP 8.0279	MOP 7.9977	MOP 8.0094	MOP 7.9871
		S	USD 1 =	MOP 8.0541	MOP 8.0239	MOP 8.0356	MOP 8.0133
		B S	EUR 1 = EUR 1 =	MOP 8.6630 MOP 8.7022	MOP 8.6742 MOP 8.7134	MOP 8.4617 MOP 8.5009	MOP 8.3038 MOP 8.3430
Madagascar							
Antananarivo	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 4,527.04	MGA 4,596.07	MGA 4,675.78	MGA 4,692.38
		M	EUR 1 =	MGA 4,866.41	MGA 4,965.27	MGA 4,906.48	MGA 4,873.41
Malawi							
Lilongwe	Malawi kwacha = 100 tambala MWK	B	USD 1 =	MWK 1,708.5447	MWK 1,717.0236	MWK 1,717.0236	MWK 1,717.0236
		S	USD 1 =	MWK 1,742.5000	MWK 1,751.0000	MWK 1,751.0000	MWK 1,751.0000
		B S	EUR 1 = EUR 1 =	MWK 1,899.8999 MWK 1,937.6579	MWK 1,919.0366 MWK 1,957.0104	MWK 1,869.1639 MWK 1,906.1508	MWK 1,839.4526 MWK 1,875.8515
Malaysia							
Kuala Lumpur Seat of government: Putrajaya	Malaysian ringgit = 100 sen MYR	B	USD 1 =	MYR 4.4838	MYR 4.2764	MYR 4.3486	MYR 4.3709
		S	USD 1 =	MYR 4.6603	MYR 4.4626	MYR 4.5324	MYR 4.5611
		B S	EUR 1 = EUR 1 =	MYR 4.8205 MYR 5.0285	MYR 4.6256 MYR 4.8347	MYR 4.5864 MYR 4.7938	MYR 4.5369 MYR 4.7543

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Maldives							
Malé	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.41	MVR 15.39	MVR 15.42
		V	EUR 1 =	MVR 16.64563	MVR 16.76916	MVR 16.25492	MVR 16.01984
Mali 1							
Bamako	CFA franc XOF	B	USD 1 =	XOF 604.06	XOF 600.50	XOF 616.75	XOF 626.75
		S	USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
		z	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
Mauritania							
Nouakchott	Ouguiya MRU	M	USD 1 =	MRU 39.69	MRU 39.74	MRU 39.71	MRU 39.84
		M	EUR 1 =	MRU 42.87	MRU 43.21	MRU 41.79	MRU 41.46
Mauritius							
Port Louis	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 45.8459	MUR 45.6714	MUR 46.0179	MUR 46.5829
		S	USD 1 =	MUR 46.7452	MUR 46.5707	MUR 46.9171	MUR 47.4821
		B	EUR 1 =	MUR 49.4847	MUR 49.5023	MUR 48.6574	MUR 48.4061
		S	EUR 1 =	MUR 50.8878	MUR 50.9209	MUR 50.0295	MUR 49.7567
Mexico							
Mexico City	Mexican peso = 100 centavos MXN	M	USD 1 =	MXN 18.3306	MXN 20.0109	MXN 20.3611	MXN 20.8829
		V	EUR 1 =	MXN 20.0271	MXN 21.7759	MXN 21.5054	MXN 21.6952
Moldova, Republic of							
Chisinau	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.7905	MDL 17.9247	MDL 18.2863	MDL 18.4791
		M	EUR 1 =	MDL 19.2512	MDL 19.4018	MDL 19.2865	MDL 19.3106
Mongolia							
Ulan Bator	Togrog = 100 mongo MNT	M	USD 1 =	MNT 3,390.47	MNT 3,404.64	MNT 3,417.77	MNT 3,420.46
		M	EUR 1 =	MNT 3,660.28	MNT 3,695.91	MNT 3,612.75	MNT 3,561.04
Morocco							
Rabat	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.9426	MAD 9.8444	MAD 10.0023	MAD 10.1114
		M	EUR 1 =	MAD 10.7575	MAD 10.6968	MAD 10.5615	MAD 10.5190

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Mozambique							
Maputo	Metical = 100 centavos	B S	USD 1 =	MZN 63.27	MZN 63.27	MZN 63.27	MZN 63.27
			USD 1 =	MZN 64.54	MZN 64.53	MZN 64.53	MZN 64.54
	MZN	B S	EUR 1 =	MZN 68.42	MZN 68.85	MZN 66.85	MZN 66.12
EUR 1 =			MZN 69.79	MZN 70.23	MZN 68.18	MZN 67.45	
Myanmar							
Nay Pyi Taw	Kyat = 100 pyas	M M	USD 1 =	MMK 2,100.00	MMK 2,100.00	MMK 2,100.00	MMK 2,100.00
			EUR 1 =	MMK 2,268.39	MMK 2,279.70	MMK 2,222.33	MMK 2,187.36
MMK							
Namibia 1							
Windhoek	Namibia dollar = 100 cents	M M	USD 1 =	NAD 18.3812	NAD 17.6751	NAD 18.0460	NAD 18.7988
			EUR 1 =	NAD 19.8448	NAD 19.1776	NAD 19.0951	NAD 19.5583
NAD							
Nepal							
Kathmandu	Nepalese rupee = 100 paisa	B S	USD 1 =	NPR 133.72	NPR 134.23	NPR 134.88	NPR 136.56
			USD 1 =	NPR 134.32	NPR 134.83	NPR 135.48	NPR 137.16
	NPR	B S	EUR 1 =	NPR 144.41	NPR 145.39	NPR 142.43	NPR 142.67
EUR 1 =			NPR 145.06	NPR 146.04	NPR 143.06	NPR 143.30	
Netherlands							
Amsterdam Seat of government: The Hague	Euro = 100 cent	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
	EUR						
New Caledonia 1							
Nouméa	CFP franc	V 2	XPF 1,000 =	USD 9.07	USD 9.12	USD 8.85	USD 8.71
			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 0.6167	USD 0.6075	USD 0.5982	USD 0.5732
			NZD 1 =	USD 0.5945	USD 0.5888	USD 0.5797	USD 0.5555
	NZD	B S	NZD 1 =	EUR 0.5693	EUR 0.5593	EUR 0.5669	EUR 0.5511
NZD 1 =			EUR 0.5488	EUR 0.5421	EUR 0.5492	EUR 0.5339	
Nicaragua							
Managua	Córdoba = 100 centavos	3 V	USD 1 =	NIO 36.6243	NIO 36.6243	NIO 36.6243	NIO 36.6243
			EUR 1 =	NIO 39.58263	NIO 39.85456	NIO 38.68259	NIO 38.04899
	NIO						

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.

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Niger ¹							
Niamey	CFA franc	B	USD 1 =	XOF 604.06	XOF 600.50	XOF 616.75	XOF 626.75
		S	USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
		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 1,493.0945	NGN 1,669.4700	NGN 1,662.8960	NGN 1,534.8176
		S	USD 1 =	NGN 1,494.0945	NGN 1,670.4700	NGN 1,663.8960	NGN 1,535.8176
	B	EUR 1 =	NGN 1,614.0252	NGN 1,813.7122	NGN 1,756.5170	NGN 1,594.3685	
	S	EUR 1 =	NGN 1,615.1061	NGN 1,814.7986	NGN 1,757.5733	NGN 1,595.4073	
North Macedonia							
Skopje	North Macedonia denar = 100 deni	B	USD 1 =	MKD 56.6736	MKD 56.5712	MKD 58.0397	MKD 58.5863
		S	USD 1 =	MKD 57.2432	MKD 57.1398	MKD 58.6231	MKD 59.1751
	B	EUR 1 =	MKD 61.2230	MKD 61.1818	MKD 61.1855	MKD 61.1875	
	S	EUR 1 =	MKD 61.8384	MKD 61.7966	MKD 61.8005	MKD 61.8025	
Norway							
Oslo	Norwegian krone = 100 øre	B	USD 1 =	NOK 10.6988	NOK 10.9102	NOK 10.9751	NOK 11.2911
		S	USD 1 =	NOK 10.7928	NOK 11.0042	NOK 11.0691	NOK 11.3851
	B	EUR 1 =	NOK 11.5907	NOK 11.8511	NOK 11.6121	NOK 11.7556	
	S	EUR 1 =	NOK 11.6847	NOK 11.9451	NOK 11.7061	NOK 11.8496	
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 0.4146240	OMR 0.4165632	OMR 0.4053120	OMR 0.3994752	
	S	EUR 1 =	OMR 0.4158289	OMR 0.4176865	OMR 0.4064060	OMR 0.4005925	
Pakistan							
Islamabad	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 278.35	PKR 277.70	PKR 277.95	PKR 278.35
		S	USD 1 =	PKR 278.85	PKR 278.20	PKR 278.45	PKR 278.85
	B	EUR 1 =	PKR 301.00	PKR 301.42	PKR 293.72	PKR 289.14	
	S	EUR 1 =	PKR 301.54	PKR 301.96	PKR 294.24	PKR 289.66	
Panama ¹							
Panama City	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.0824	PAB 1.0882	PAB 1.0562	PAB 1.0389
Papua New Guinea							
Port Moresby	Kina = 100 toea	B	PGK 1 =	USD 0.2664	USD 0.2609	USD 0.2592	USD 0.2575
		S	PGK 1 =	USD 0.2514	USD 0.2459	USD 0.2442	USD 0.2425
	B	PGK 1 =	EUR 0.2403	EUR 0.2339	EUR 0.2390	EUR 0.2408	
	S	PGK 1 =	EUR 0.2253	EUR 0.2189	EUR 0.2240	EUR 0.2258	

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Paraguay							
Asunción	Guaraní = 100 céntimos	B S	USD 1 =	PYG 7,561.42	PYG 7,871.95	PYG 7,788.02	PYG 7,812.22
			USD 1 =	PYG 7,571.40	PYG 7,879.87	PYG 7,795.41	PYG 7,843.41
	PYG	V, B V, S	EUR 1 = EUR 1 =	PYG 8,180.76 PYG 8,191.55	PYG 8,566.26 PYG 8,574.87	PYG 8,225.71 PYG 8,233.51	PYG 8,159.08 PYG 8,191.66
Peru							
Lima	Sol = 100 céntimos	B S	USD 1 =	PEN 3.749	PEN 3.761	PEN 3.739	PEN 3.758
			USD 1 =	PEN 3.758	PEN 3.775	PEN 3.745	PEN 3.770
	PEN	B S	EUR 1 =	PEN 3.823	PEN 4.044	PEN 3.676	PEN 3.614
			EUR 1 =	PEN 4.322	PEN 4.299	PEN 4.213	PEN 4.223
Philippines							
Manila	Philippine peso = 100 centavos	B S	USD 1 =	PHP 57.02	PHP 57.95	PHP 58.25	PHP 57.50
			USD 1 =	PHP 57.52	PHP 58.45	PHP 58.75	PHP 58.00
	PHP	B S	EUR 1 =	PHP 60.5996	PHP 61.8319	PHP 60.5200	PHP 58.8975
			EUR 1 =	PHP 63.4953	PHP 64.5992	PHP 63.6046	PHP 61.9031
Poland							
Warsaw	Polish zloty = 100 groszy PLN	M M	USD 1 =	PLN 3.9799	PLN 4.0059	PLN 4.0770	PLN 4.1012
			EUR 1 =	PLN 4.3042	PLN 4.3530	PLN 4.3043	PLN 4.2730
Portugal							
Lisbon	Euro = 100 cent EUR	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
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 3.9340	QAR 3.9611	QAR 3.8446	QAR 3.7816
Romania							
Bucharest	Romanian leu = 100 bani RON	M M	USD 1 =	RON 4.5975	RON 4.5757	RON 4.7129	RON 4.7768
			EUR 1 =	RON 4.9748	RON 4.9745	RON 4.9771	RON 4.9741
Russian Federation							
Moscow	Russian rouble = 100 kopecks RUB	M 3	USD 1 =	RUB 92.6567	RUB 97.0530	RUB 107.7409	RUB 101.6797
			EUR 1 =	RUB 100.4236	RUB 105.2211	RUB 114.3149	RUB 106.1028

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Rwanda							
Kigali	Rwanda franc = 100 centimes	B	USD 1 =	RWF 1,307.13812	RWF 1,348.15807	RWF 1,359.99471	RWF 1,369.29577
		S	USD 1 =	RWF 1,333.27796	RWF 1,375.11851	RWF 1,387.19185	RWF 1,396.67892
	RWF	B	EUR 1 =	RWF 1,411.70158	RWF 1,462.41447	RWF 1,433.57042	RWF 1,424.95764
		S	EUR 1 =	RWF 1,439.93288	RWF 1,491.65980	RWF 1,462.23893	RWF 1,453.45392
Saint Helena, Ascension and Tristan da Cunha							
Jamestown	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.78217	SHP 0.76965	SHP 0.78778	SHP 0.79813
		V	EUR 1 =	SHP 0.84662	SHP 0.83753	SHP 0.83205	SHP 0.82918
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 2.9097	XCD 2.9253	XCD 2.8393	XCD 2.7928
		V, S	EUR 1 =	XCD 2.9408	XCD 2.9565	XCD 2.8696	XCD 2.8226
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 2.9097	XCD 2.9253	XCD 2.8393	XCD 2.7928
		V, S	EUR 1 =	XCD 2.9408	XCD 2.9565	XCD 2.8696	XCD 2.8226
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 2.9097	XCD 2.9253	XCD 2.8393	XCD 2.7928
		V, S	EUR 1 =	XCD 2.9408	XCD 2.9565	XCD 2.8696	XCD 2.8226
Samoa							
Apia	Tala = 100 sene WST	M	WST 1 =	USD 0.36245	USD 0.35993	USD 0.35917	USD 0.35152
		M	WST 1 =	EUR 0.33557	EUR 0.33152	EUR 0.34030	EUR 0.33798
Sao Tome and Principe							
São Tomé	Dobra = 100 cêntimos	B	USD 1 =	STN 22.6983	STN 22.6537	STN 23.2404	STN 23.4584
		S	USD 1 =	STN 23.0388	STN 22.9935	STN 23.5890	STN 23.8103
	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 4.05878	SAR 4.08075	SAR 3.96075	SAR 3.89588

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Senegal ¹							
Dakar	CFA franc	B	USD 1 =	XOF 604.06	XOF 600.50	XOF 616.75	XOF 626.75
		S	USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
	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 108.0761	RSD 107.4954	RSD 110.3361	RSD 112.1013
		S	USD 1 =	RSD 108.7265	RSD 108.1424	RSD 111.0001	RSD 112.7759
	B	EUR 1 =	RSD 116.7288	RSD 116.6755	RSD 116.6142	RSD 116.6639	
	S	EUR 1 =	RSD 117.4313	RSD 117.3777	RSD 117.3160	RSD 117.3659	
Seychelles							
Victoria	Seychelles rupee = 100 cents	B	USD 1 =	SCR 14.2700	SCR 14.5142	SCR 14.5913	SCR 14.4903
		S	USD 1 =	SCR 14.6822	SCR 14.9071	SCR 14.9302	SCR 14.9002
	B	EUR 1 =	SCR 15.4681	SCR 15.6491	SCR 15.3914	SCR 15.3858	
	S	EUR 1 =	SCR 16.0098	SCR 16.2190	SCR 15.8818	SCR 15.6265	
Sierra Leone							
Freetown	Leone = 100 cents	M	USD 1 =	SLE 22.57793	SLE 22.58470	SLE 22.64830	SLE 22.69200
		M	EUR 1 =	SLE 24.38877	SLE 24.52290	SLE 23.93850	SLE 23.62860
		SLE					
Singapore ¹							
Singapore	Singapore dollar = 100 cents	M	USD 1 =	SGD 1.3372	SGD 1.3253	SGD 1.3393	SGD 1.3603
		M	EUR 1 =	SGD 1.4440	SGD 1.4332	SGD 1.4162	SGD 1.4160
		SGD					
Sint Maarten (southern part)							
Philipsburg	Netherlands Antillean guilder = 100 cents	3 B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		3 S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	B	EUR 100 =	ANG 192.51	ANG 193.49	ANG 188.10	ANG 185.50	
	S	EUR 100 =	ANG 196.39	ANG 197.39	ANG 191.89	ANG 189.23	
Slovakia							
Bratislava	Euro = 100 cent	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
	EUR						
Slovenia							
Ljubljana	Euro = 100 cent	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
	EUR						
Solomon Islands							
Honiara	Solomon Islands dollar = 100 cents	M	SBD 1 =	USD 0.1183	USD 0.1193	USD 0.1189	USD 0.1177
		M	SBD 1 =	EUR 0.10951	EUR 0.10990	EUR 0.11270	EUR 0.11310
	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 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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
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 18.1459	ZAR 17.4652	ZAR 17.8924	ZAR 18.7118
		S	USD 1 =	ZAR 18.5178	ZAR 17.8319	ZAR 18.2589	ZAR 19.0811
	ZAR	B	EUR 1 =	ZAR 19.4884	ZAR 18.8448	ZAR 18.7627	ZAR 19.3119
		S	EUR 1 =	ZAR 20.1495	ZAR 19.4907	ZAR 19.4036	ZAR 19.9611
South Sudan							
Juba	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 2,285.4287	SSP 3,281.3166	SSP 3,619.8557	SSP 3,939.5856
		M	EUR 1 =	SSP 2,462.15795	SSP 3,557.76995	SSP 3,818.95860	SSP 4,102.29640
SSP							
Spain							
Madrid	Euro = 100 cent	M	EUR 1 =	USD 1.0824	USD 1.0882	USD 1.0562	USD 1.0389
	EUR						
Sri Lanka							
Colombo	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 296.7307	LKR 289.0630	LKR 286.3163	LKR 288.3293
		S	USD 1 =	LKR 306.0578	LKR 298.1487	LKR 295.0450	LKR 297.0162
	LKR	B	EUR 1 =	LKR 318.9054	LKR 311.2012	LKR 300.7865	LKR 298.4124
		S	EUR 1 =	LKR 332.3403	LKR 324.1502	LKR 313.5487	LKR 310.9446
Sudan							
Khartoum	Sudanese pound = 100 piastres	B	USD 1 =	SDG 1,603.50	SDG 1,987.00	SDG 1,987.00	SDG 1,987.00
		S	USD 1 =	SDG 1,615.53	SDG 2,001.91	SDG 2,001.91	SDG 2,001.91
	SDG	B	EUR 1 =	SDG 1,681.64	SDG 2,094.79	SDG 2,040.89	SDG 2,006.66
		S	EUR 1 =	SDG 1,711.38	SDG 2,131.84	SDG 2,076.99	SDG 2,042.15
Suriname							
Paramaribo	Suriname dollar = 100 cents	B	USD 1 =	SRD 32.962	SRD 34.444	SRD 35.410	SRD 35.192
		S	USD 1 =	SRD 33.285	SRD 34.961	SRD 35.628	SRD 35.356
	SRD	B	EUR 1 =	SRD 35.345	SRD 37.117	SRD 36.938	SRD 36.222
		S	EUR 1 =	SRD 35.862	SRD 37.429	SRD 37.478	SRD 36.929
Sweden							
Stockholm	Swedish krona = 100 öre	M	USD 1 =	SEK 10.56137	SEK 10.68811	SEK 10.90513	SEK 10.99818
		M	EUR 1 =	SEK 11.4521	SEK 11.6308	SEK 11.5180	SEK 11.4865
SEK							

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Switzerland							
Berne	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.8802	CHF 0.8653	CHF 0.8811	CHF 0.9038
		B	EUR 1 =	CHF 0.9530	CHF 0.9402	CHF 0.9303	CHF 0.9419
Syrian Arab Republic							
Damascus	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 13,133.33	SYP 13,600.00	SYP 13,600.00	SYP 13,500.00
		S	USD 1 =	SYP 13,264.67	SYP 13,736.00	SYP 13,736.00	SYP 13,635.00
		B	EUR 1 =	SYP 14,191.05	SYP 14,754.64	SYP 14,353.44	SYP 14,048.93
		S	EUR 1 =	SYP 14,332.96	SYP 14,902.19	SYP 14,496.97	SYP 14,189.42
Tajikistan							
Dushanbe	Somoni = 100 diram TJS	M	USD 1 =	TJS 10.8035	TJS 10.6549	TJS 10.8978	TJS 10.9325
		M	EUR 1 =	TJS 11.6709	TJS 11.5425	TJS 11.5124	TJS 11.4223
Tanzania, United Republic of							
Dodoma Seat of government: Dar es Salaam	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,587.3721	TZS 2,679.7327	TZS 2,607.5347	TZS 2,382.8416
		S	USD 1 =	TZS 2,613.2458	TZS 2,706.5300	TZS 2,633.6100	TZS 2,406.6700
		B	EUR 1 =	TZS 2,796.1448	TZS 2,902.4185	TZS 2,750.6883	TZS 2,489.3546
		S	EUR 1 =	TZS 2,824.7550	TZS 2,931.7133	TZS 2,778.4586	TZS 2,514.4888
Thailand							
Bangkok	Thai baht = 100 satang THB	B	USD 1 =	THB 35.0998	THB 33.5901	THB 34.1265	THB 33.8296
		S	USD 1 =	THB 35.4254	THB 33.9135	THB 34.4502	THB 34.1461
		B	EUR 1 =	THB 37.6459	THB 36.2822	THB 35.8748	THB 35.0748
		S	EUR 1 =	THB 38.3582	THB 36.9639	THB 36.5834	THB 35.7819
Togo ¹							
Lomé	CFA franc XOF	B	USD 1 =	XOF 604.06	XOF 600.50	XOF 616.75	XOF 626.75
		S	USD 1 =	XOF 611.06	XOF 607.50	XOF 623.75	XOF 633.75
		2	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 0.4209	USD 0.4200	USD 0.4177	USD 0.4104
		M	TOP 1 =	EUR 0.3896	EUR 0.3866	EUR 0.3957	EUR 0.3947
Trinidad and Tobago							
Port-of-Spain	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.6984	TTD 6.6842	TTD 6.7052	TTD 6.7182
		S	USD 1 =	TTD 6.7656	TTD 6.7775	TTD 6.7677	TTD 6.7766
		V, B	EUR 1 =	TTD 7.2394	TTD 7.2738	TTD 7.0820	TTD 6.9795
		V, S	EUR 1 =	TTD 7.3121	TTD 7.3753	TTD 7.1480	TTD 7.0402

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Tunisia							
Tunis	Tunisian dinar = 1,000 millimes TND	B	USD 1 =	TND 3.1162	TND 3.1041	TND 3.1555	TND 3.1952
		S	USD 1 =	TND 3.1193	TND 3.1073	TND 3.1586	TND 3.1983
		B	EUR 1 =	TND 3.3675	TND 3.3691	TND 3.3307	TND 3.3217
		S	EUR 1 =	TND 3.3709	TND 3.3724	TND 3.3341	TND 3.3251
Turkey							
Ankara	Turkish lira = 100 kuruş TRY	B	USD 1 =	TRY 32.7897	TRY 34.2095	TRY 34.5697	TRY 35.2233
		S	USD 1 =	TRY 32.8488	TRY 34.2711	TRY 34.6320	TRY 35.2868
		B	EUR 1 =	TRY 35.6346	TRY 37.0474	TRY 36.4509	TRY 36.7429
		S	EUR 1 =	TRY 35.6988	TRY 37.1142	TRY 36.5166	TRY 36.8091
Turkmenistan ¹							
Ashgabat	Turkmen manat = 100 tenge TMT	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 3.7796	TMT 3.7933	TMT 3.6988	TMT 3.6467
Uganda							
Kampala	Uganda shilling UGX	B	USD 1 =	UGX 3,756.04	UGX 3,659.68	UGX 3,684.14	UGX 3,665.27
		S	USD 1 =	UGX 3,766.04	UGX 3,669.68	UGX 3,694.14	UGX 3,675.27
		B	EUR 1 =	UGX 4,055.47	UGX 3,971.48	UGX 3,893.40	UGX 3,813.71
		S	EUR 1 =	UGX 4,066.26	UGX 3,982.34	UGX 3,903.97	UGX 3,824.12
Ukraine							
Kyiv	Hryvnia = 100 kopyok UAH	M	USD 1 =	UAH 40.1718	UAH 41.2790	UAH 41.5956	UAH 42.0390
		M	EUR 1 =	UAH 43.4694	UAH 44.6350	UAH 43.8626	UAH 43.9266
United Arab Emirates ¹							
Abu Dhabi	United Arab Emirates dirham = 100 fils AED	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V	EUR 1 =	AED 3.9749	AED 3.9964	AED 3.8789	AED 3.8154
United Kingdom ¹							
London	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.2783	USD 1.2856	USD 1.2708	USD 1.2529
		M	EUR 1 =	GBP 0.8447	GBP 0.8444	GBP 0.8311	GBP 0.8265
United States							
Washington	US dollar = 100 cents USD	M	EUR 1 =	USD 1.0787	USD 1.0883	USD 1.0575	USD 1.0353
		M	GBP 1 =	USD 1.2780	USD 1.2898	USD 1.2737	USD 1.2511

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 2024	Rate at end of month		
					October 2024	November 2024	December 2024
Uruguay							
Montevideo	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 40.228	UYU 41.649	UYU 43.158	UYU 44.066
		M	EUR 1 =	UYU 43.5313	UYU 45.2808	UYU 45.6396	UYU 45.8463
Uzbekistan							
Tashkent	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 12,655.13	UZS 12,774.34	UZS 12,865.05	UZS 12,920.48
		M	EUR 1 =	UZS 13,671.02	UZS 13,848.66	UZS 13,550.76	UZS 13,436.01
Vanuatu							
Port Vila	Vatu VUV	B	USD 1 =	VUV 117.28	VUV 117.42	VUV 118.53	VUV 121.59
		S	USD 1 =	VUV 124.74	VUV 124.89	VUV 126.07	VUV 129.33
		B	EUR 1 =	VUV 127.62	VUV 128.46	VUV 126.20	VUV 127.47
		S	EUR 1 =	VUV 132.78	VUV 133.65	VUV 131.30	VUV 132.62
Venezuela, Bolivarian Republic of ¹							
Caracas	Bolívar = 100 céntimos VES	B	USD 1 =	VES 39.127320	VES 42.603325	VES 47.488382	VES 51.897032
		S	USD 1 =	VES 39.225383	VES 42.710100	VES 47.607400	VES 52.027100
		B	EUR 1 =	VES 42.202989	VES 46.250595	VES 50.138233	VES 53.940218
		S	EUR 1 =	VES 42.308761	VES 46.366512	VES 50.263893	VES 54.075407
Viet Nam							
Hanoi	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 24,893	VND 25,115	VND 25,160	VND 25,251
		S	USD 1 =	VND 25,207	VND 25,455	VND 25,463	VND 25,551
		B	EUR 1 =	VND 26,627.25	VND 27,019.13	VND 26,360.15	VND 26,083.51
		S	EUR 1 =	VND 27,810.69	VND 28,215.80	VND 27,527.52	VND 27,238.45
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 26.0987	ZMW 26.7318	ZMW 26.9254	ZMW 27.8564
		S	USD 1 =	ZMW 26.1465	ZMW 26.7818	ZMW 26.9754	ZMW 27.9050
		B	EUR 1 =	ZMW 28.1910	ZMW 29.0708	ZMW 28.4359	ZMW 28.9679
		S	EUR 1 =	ZMW 28.2493	ZMW 29.1279	ZMW 28.4968	ZMW 29.0240
Zimbabwe							
Harare	Zimbabwe gold = 100 cents ZWG	M	USD 1 =	ZWG 15.9802 ²	ZWG 28.6802	ZWG 25.4513	ZWG 25.7985
		M	EUR 1 =	ZWG 17.2309 ²	ZWG 31.1195	ZWG 26.9033	ZWG 26.8485

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 With effect from 8 April 2024, a currency changeover took place at a rate of 2,498.7242

Zimbabwe dollar (ZWL) = 1 Zimbabwe gold (ZWG); the exchange rates set in Zimbabwe dollar were converted in this ratio and included in the calculation.

IV. Overview of world currencies*

2. Exchange rates of the US dollar against major currencies

USD 1 = CU ..., monthly averages¹, log. scale



* 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
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
2023	1.34167	1.21753	9.58727	190.454	1.053810	1.77933	1.14526	9.07779	13.72210	13.4605
2024	1.30413	1.25482	9.51910	204.293	1.039520	1.87535	1.16929	9.35962	14.81560	14.4104
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
July	1.34294	1.21830	9.59840	189.247	1.043830	1.76959	1.16809	9.07985	13.62130	14.1310
Aug.	1.32994	1.22372	9.69518	194.265	1.048850	1.79954	1.17194	9.11951	14.17060	14.4522
Sep.	1.31498	1.24125	9.57753	196.510	1.071920	1.77785	1.19808	9.25609	13.96830	14.2561
Oct.	1.31414	1.23753	9.61714	196.398	1.079150	1.82284	1.18601	9.23788	14.69390	14.6142
Nov.	1.33329	1.21973	9.50805	195.966	1.054770	1.81087	1.16729	9.09289	14.29520	13.9424
Dec.	1.34167	1.21753	9.58727	190.454	1.053810	1.77933	1.14526	9.07779	13.72210	13.4605
2024 Jan.	1.32988	1.22717	9.54946	196.158	1.048310	1.78165	1.14776	9.14854	13.92960	13.8280
Feb.	1.32756	1.22627	9.55064	199.931	1.049420	1.80151	1.16839	9.14068	14.09240	13.7526
Mar.	1.32405	1.22415	9.56562	200.262	1.049300	1.79325	1.19856	9.13676	14.31170	14.1083
Apr.	1.31793	1.22964	9.54444	206.678	1.050940	1.81163	1.20103	9.17111	14.52820	14.4520
May	1.32354	1.21963	9.58589	207.333	1.040350	1.80491	1.19913	9.09695	13.88300	13.9294
June	1.31534	1.22872	9.55767	211.705	1.039260	1.80031	1.18223	9.16322	14.00320	13.9576
July	1.32842	1.22684	9.59463	202.451	1.034480	1.83442	1.17007	9.15483	14.49810	14.2467
Aug.	1.34661	1.21458	9.54153	194.934	1.022290	1.81671	1.14327	9.05945	14.16440	13.7679
Sep.	1.35637	1.21148	9.51158	193.486	1.011730	1.82910	1.14512	9.03277	14.25250	13.6897
Oct.	1.33163	1.22370	9.48074	204.406	1.026110	1.84761	1.15253	9.19329	14.59510	14.2195
Nov.	1.31391	1.24766	9.52798	200.831	1.041880	1.84721	1.15972	9.30536	14.58520	14.3842
Dec.	1.30413	1.25482	9.51910	204.293	1.039520	1.87535	1.16929	9.35962	14.81560	14.4104
2024 Nov. 25	1.31020	1.24841	9.49460	202.033	1.042700	1.83166	1.16647	9.31133	14.46460	14.3604
26	1.31175	1.24667	9.52018	201.616	1.042350	1.84721	1.16247	9.29835	14.56300	14.3654
27	1.31391	1.24766	9.52798	200.831	1.041880	.	1.15972	9.30536	14.58520	14.3842
Dec. 2	1.31472	1.25128	9.55648	197.458	1.034360	1.84797	1.16419	9.33245	14.58870	14.4235
3	1.31442	1.25040	9.57277	197.032	1.037960	1.84755	1.16248	9.32662	14.54090	14.4740
4	1.31359	1.25199	9.55338	197.498	1.035710	1.84770	1.16391	9.33698	14.54880	14.4580
5	1.31570	1.24829	9.56105	197.802	1.033380	1.84698	1.16222	9.30960	14.55510	14.3672
6	1.31773	1.24537	9.56498	197.633	1.031850	1.86274	1.15604	9.28859	14.62630	14.3504
9	1.31692	1.24614	9.57983	197.288	1.031630	1.86081	1.15757	9.29351	14.63400	14.3755
10	1.31506	1.24923	9.52962	199.231	1.030650	1.86304	1.15699	9.31637	14.65530	14.4079
11	1.31344	1.25006	9.54435	199.380	1.031120	1.85904	1.16029	9.32227	14.64080	14.3963
12	1.31318	1.25172	9.53789	199.997	1.030830	1.86314	1.16453	9.33567	14.58760	14.3948
13	1.31100	1.24643	9.54153	200.451	1.036810	1.86568	1.17177	9.29472	14.55310	14.3527
16	1.31073	1.24855	9.54517	201.695	1.036440	1.86635	1.16996	9.31272	14.62800	14.3010
17	1.31124	1.24916	9.55019	202.246	1.032390	1.87573	1.17572	9.31741	14.69440	14.3303
18	1.31176	1.24977	9.55657	201.669	1.031210	1.88145	1.17264	.	14.69980	.
19	1.30504	1.25545	9.52599	202.086	1.035790	1.87535	1.16945	9.36733	14.83230	14.3906
20	1.30402	1.25508	9.51756	205.840	1.042470	.	1.16593	9.36461	14.89580	14.4032
23	1.30413	1.25482	9.51910	204.293	1.039520	.	1.16929	9.35962	14.81560	14.4104
2025 Jan. 2	1.29988	1.25946	9.48839	.	1.044380	1.87418	.	9.39338	14.75750	14.3859
3	1.29851	1.26082	9.49028	.	1.046390	1.87531	1.18061	9.40557	14.76790	14.4231
6	1.30480	1.25148	9.56343	205.767	1.040140	1.87213	1.17693	9.33489	14.65430	.
7	1.30392	1.25461	9.55447	206.280	1.039800	.	1.18135	9.35830	14.72720	14.3967
8	1.29746	1.26139	9.51285	205.064	1.048880	1.86705	1.18335	9.41097	14.80610	14.5217
10	1.29733	1.25906	9.51294	205.497	1.055210	.	1.18576	9.39338	14.80270	14.4754
13	1.29209	1.26700	9.47346	.	1.066830	1.86203	1.18459	9.45251	14.83540	14.5775
14	1.29499	1.26402	9.49352	204.012	1.062730	1.86103	1.18692	9.43049	14.81360	14.5514
15	1.29773	1.25993	9.51466	205.093	1.061270	1.86016	1.18353	9.40044	14.74560	14.4911

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 2022

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 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 ²		Brunei Darussalam Macao ³			
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 ² 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 Lebanon Maldives Trinidad and Tobago	Croatia ² North Macedonia	Singapore		Bolivia, Plurinational State of ⁸ Nigeria ⁸ Papua New Guinea ⁸ Tajikistan ^{8,10} Tanzania, United Republic of ⁸	Guatemala ⁸ Serbia ⁹	Azerbaijan ⁸ Egypt ^{8,10} Kyrgyzstan ⁸ Malawi ⁸ Mongolia ¹⁰ Mozambique ^{8,10,11} Sudan ^{8,11}
Crawling peg	Honduras Nicaragua		Botswana				
Pegged exchange rate within horizontal bands			Morocco				

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2022, 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 The member participates in ERM II. ³ Macao was added to

the report this year. 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 2022

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 Algeria ^{8,12} Bangladesh ⁸ Burundi ⁸ China ⁵ Congo, Democratic Republic of the ⁸ Ethiopia ⁸ Gambia ⁸ Guinea ⁸ Rwanda ⁸	Dominican Republic ⁸ Ghana ⁸ Kenya ^{8,11} Romania ⁹ Sri Lanka ^{8,13} Uzbekistan ⁸	Argentina ⁸ Lao People's Democratic Republic ⁸ Mauritania ⁸ Mauritius ^{8,10,11} Solomon Islands ⁵ Switzerland ⁹ Tunisia ^{9,10}
Other managed arrangement			Kuwait Syrian Arab Republic		Liberia ¹¹ Myanmar Sierra Leone Zimbabwe ^{11,12}		Haiti South Sudan Tonga Vanuatu Venezuela, Bolivarian Republic of
Floating					Angola Belarus Madagascar Suriname Yemen	Albania Armenia Brazil ¹³ Colombia Costa Rica Czechia Georgia Hungary Iceland India ¹³ Indonesia ¹³ Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Seychelles South Africa Thailand ¹³ Turkey Uganda Ukraine Uruguay	Malaysia Pakistan ¹⁰ Zambia
Free floating						Australia Canada Chile 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 country maintains a de facto exchange rate anchor to the euro. ¹⁰ The central bank is in transition towards inflation targeting. ¹¹ The exchange rate arrangement was reclassified twice during this reporting period. ¹² The exchange rate arrangement or monetary

policy framework was reclassified retroactively, overriding a previously published classification. 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						
BHD	Bahraini dinar	Bahrain				JMD	Jamaican dollar	Jamaica
BIF	Burundi franc	Burundi				JOD	Jordanian dinar	Jordan
BMD	Bermudian dollar	Bermuda				JPY	Japanese yen	Japan
BND	Brunei dollar	Brunei Darussalam						
BOB	Boliviano	Bolivia, Plurinational State of				KES	Kenya shilling	Kenya
BRL	Brazilian real	Brazil				KGS	Kyrgyz som	Kyrgyzstan
BSD	Bahamian dollar	Bahamas				KHR	Riel	Cambodia
BTN	Ngultrum	Bhutan				KMF	Comorian franc	Comoros
BWP	Pula	Botswana				KPW	North Korean won	Korea, Democratic People's Republic of
BYN	Belarusian rouble	Belarus				KRW	South Korean won	Korea, Republic of
BZD	Belize dollar	Belize				KWD	Kuwaiti dinar	Kuwait
						KYD	Cayman Islands dollar	Cayman Islands
			FJD	Fiji dollar	Fiji	KZT	Tenge	Kazakhstan
CAD	Canadian dollar	Canada	FKP	Fakland Islands pound	Falkland Islands (Islas Malvinas)			
CDF	Congo franc	Congo, Democratic Republic of the				LAK	Kip	Lao People's Democratic Republic
CHF	Swiss franc	Switzerland Liechtenstein	GBP	Pound sterling	United Kingdom Guernsey Isle of Man Jersey	LBP	Lebanese pound	Lebanon
CLP	Chilean peso	Chile				LKR	Sri Lanka rupee	Sri Lanka
CNY	Chinese renminbi	China	GEL	Lari	Georgia	LRD	Liberian dollar	Liberia
COP	Colombian peso	Colombia	GHS	Ghana cedi	Ghana	LSL	Loti	Lesotho
CRC	Costa Rican colón	Costa Rica	GIP	Gibraltar pound	Gibraltar	LYD	Libyan dinar	Libya

* 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/Frameworkfortheeuroforeignexchangerates.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?f184ad85cc2c5ccef05680706893cde>).

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 in conjunction with ECB Statistical Paper Series No 49 of June 2024, 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

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

Figures in %

As of September 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	2010 to 2012	2013 to 2015	2016 to 2018	2019 to 2021	1995 to 1997	1998 to 2000	2010 to 2012	2013 to 2015	2016 to 2018	2019 to 2021
	Period of use of weights ¹											
	Up to end of 1997	1998 to 2000 ²	2010 to 2012	2013 to 2015	2016 to 2018	From 2019	Up to end of 1997	1998 to 2000 ²	2010 to 2012	2013 to 2015	2016 to 2018	From 2019
Broad EER group							100	100	100	100	100	100
Extended EER group	100	100	100	100	100	100						
Australia	1.01	0.91	1.15	1.05	1.00	0.93	0.82	0.75	0.90	0.83	0.80	0.75
Bulgaria	0.27	0.31	0.59	0.63	0.66	0.67	0.22	0.26	0.46	0.49	0.53	0.54
Canada	1.86	1.94	1.85	1.81	1.73	1.70	1.52	1.60	1.45	1.42	1.37	1.37
China	4.16	4.88	16.78	17.52	17.38	19.64	3.39	4.02	13.12	13.79	13.83	15.79
Czechia	2.39	2.50	4.30	4.19	4.48	4.42	1.95	2.06	3.36	3.30	3.56	3.55
Denmark	3.17	2.84	2.49	2.39	2.31	2.33	2.59	2.34	1.94	1.88	1.84	1.87
Hong Kong	3.72	3.81	2.96	2.80	2.59	2.40	3.03	3.14	2.32	2.21	2.06	1.93
Hungary	1.64	2.16	2.59	2.66	2.77	2.79	1.33	1.78	2.02	2.09	2.21	2.24
Japan	10.07	9.09	5.87	4.79	4.77	4.55	8.21	7.49	4.59	3.77	3.80	3.66
Korea, Republic of	2.89	2.63	3.26	3.10	3.00	2.99	2.36	2.17	2.54	2.44	2.39	2.40
Norway	1.70	1.59	1.57	1.44	1.23	1.17	1.38	1.31	1.23	1.13	0.98	0.94
Poland	2.60	2.94	5.65	5.86	6.33	6.93	2.12	2.42	4.42	4.61	5.03	5.57
Romania	0.72	0.79	1.87	2.08	2.28	2.27	0.58	0.65	1.46	1.64	1.81	1.83
Singapore	2.42	2.16	2.30	2.13	2.92	3.30	1.97	1.78	1.80	1.68	2.32	2.65
Sweden	5.15	4.87	4.28	4.06	3.82	3.68	4.20	4.01	3.35	3.20	3.04	2.96
Switzerland	9.78	8.54	8.43	8.30	7.85	7.38	7.97	7.04	6.59	6.54	6.25	5.94
United Kingdom	22.99	22.29	15.42	15.63	14.95	12.98	18.74	18.37	12.05	12.31	11.90	10.43
United States	23.46	25.75	18.64	19.56	19.93	19.87	19.12	21.21	14.57	15.40	15.86	15.98
Additional countries in the broad EER group												
Algeria							0.37	0.32	0.39	0.39	0.30	0.22
Argentina							0.54	0.50	0.43	0.35	0.32	0.26
Brazil							1.29	1.25	1.57	1.34	1.11	0.98
Chile							0.33	0.30	0.39	0.32	0.28	0.26
China (Taiwan)							1.83	1.89	1.28	1.17	1.21	1.29
Colombia							0.21	0.18	0.21	0.21	0.18	0.16
Iceland							0.07	0.08	0.09	0.09	0.11	0.09
India							1.14	1.17	2.63	2.64	2.68	2.90
Indonesia							0.82	0.59	0.62	0.60	0.59	0.53
Israel							1.05	1.04	0.78	0.83	0.87	0.98
Malaysia							1.15	1.01	0.95	0.91	0.85	0.89
Mexico							0.76	1.08	1.11	1.19	1.30	1.26
Morocco							0.54	0.60	0.63	0.65	0.71	0.66
New Zealand							0.17	0.13	0.14	0.15	0.15	0.14
Peru							0.14	0.10	0.16	0.16	0.16	0.15
Philippines							0.36	0.45	0.32	0.39	0.40	0.37
Russian Federation							2.32	1.77	3.34	3.08	2.53	2.30
Saudi Arabia							0.47	0.43	0.69	0.81	0.75	0.66
South Africa							0.90	0.86	0.86	0.76	0.71	0.65
Thailand							1.14	0.89	0.99	0.99	1.02	0.88
Turkey							2.01	2.10	2.66	2.73	2.60	2.48
Ukraine							0.42	0.36	0.59	0.43	0.38	0.44
United Arab Emirates							0.47	0.50	1.00	1.08	1.21	1.05

^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.

(see Table I. 1., p. 7) as well as Canada, Denmark, Japan, 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 2022 (see Table VI., pp. 44-45) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2022", 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

As part of the capital controls in place since September 2019, the differentiated taxes levied were replaced by a new uniform tax of 30% with effect from 23 December 2024 and applicable to transactions such as:

- 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.

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 1,165 Argentine pesos to the US dollar at the beginning of January 2025.

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).

Bolivia, Plurinational State of

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

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.

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 325 Cuban pesos at the beginning of January 2025.

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.

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

It is understood that there is a different, black market rate 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.

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.

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 banknotes 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.

