



Exchange rate statistics

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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	Data unknown, not to be published or not meaningful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

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 Danish krone DKK	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
	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 Bulgarian lev BGN	Upper rate	–	–	–	–	–	–	–	2.24920
	Central rate	–	–	–	–	–	–	–	² 1.95583
	Lower rate	–	–	–	–	–	–	–	1.66246
Croatia Croatian kuna HRK	Upper rate	–	–	–	–	–	–	–	8.66468
	Central rate	–	–	–	–	–	–	–	² 7.53450
	Lower rate	–	–	–	–	–	–	–	6.40433
Greece Greek drachma GRD	Upper rate	406.075	³ 391.863	–	–	–	–	–	–
	Central rate	¹ 353.109	340.750	–	–	–	–	–	–
	Lower rate	300.143	289.638	–	–	–	–	–	–
Estonia Estonian kroon EEK	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936	–
	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 Lithuanian litas LTL	Upper rate	–	–	3.97072	3.97072	3.97072	3.97072	3.97072	–
	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 Slovenian tolar SIT	Upper rate	–	–	275.586	275.586	275.586	–	–	–
	Central rate	–	–	239.640	239.640	⁶ 239.640	–	–	–
	Lower rate	–	–	203.694	203.694	203.694	–	–	–
Cyprus Cyprus pound CYP	Upper rate	–	–	–	0.673065	0.673065	0.673065	–	–
	Central rate	–	–	–	0.585274	0.585274	⁷ 0.585274	–	–
	Lower rate	–	–	–	0.497483	0.497483	0.497483	–	–
Latvia Latvian lats LVL	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225	–
	Central rate	–	–	–	0.702804	0.702804	0.702804	⁸ 0.702804	–
	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383	–
Malta Maltese lira MTL	Upper rate	–	–	–	0.493695	0.493695	0.493695	–	–
	Central rate	–	–	–	0.429300	0.429300	⁷ 0.429300	–	–
	Lower rate	–	–	–	0.364905	0.364905	0.364905	–	–
Slovakia Slovak koruna SKK	Upper rate	–	–	–	–	44.2233	40.7588	34.6449	–
	Central rate	–	–	–	–	38.4550	35.4424	⁹ 30.1260	–
	Lower rate	–	–	–	–	32.6868	30.1260	25.6071	–

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.

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

1. End-of-month and daily rates

EUR 1 = CU ...

Period		EU member countries							
		Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON	Sweden Swedish krona SEK
2019 Sep.		1.9558	7.4110	25.816	7.4662	334.83	4.3782	4.7496	10.6958
Oct.		1.9558	7.4579	25.509	7.4708	328.70	4.2581	4.7560	10.7498
Nov.		1.9558	7.4385	25.515	7.4713	333.82	4.3185	4.7823	10.4995
Dec.		1.9558	7.4395	25.408	7.4715	330.53	4.2568	4.7830	10.4468
2020 Jan.		1.9558	7.4440	25.210	7.4731	337.05	4.3009	4.7789	10.6768
Feb.		1.9558	7.4695	25.390	7.4723	337.57	4.3259	4.8130	10.6738
Mar.		1.9558	7.6255	27.312	7.4674	360.02	4.5006	4.8283	11.0613
Apr.		1.9558	7.5790	27.097	7.4584	352.72	4.5336	4.8431	10.6639
May		1.9558	7.5870	26.921	7.4542	348.73	4.4495	4.8493	10.4870
June		1.9558	7.5708	26.740	7.4526	356.58	4.4560	4.8397	10.4948
July		1.9558	7.4815	26.175	7.4442	344.95	4.4034	4.8315	10.2835
Aug.		1.9558	7.5280	26.208	7.4439	354.54	4.3971	4.8398	10.2888
Sep.		1.9558	7.5565	27.233	7.4462	365.53	4.5462	4.8725	10.5713
Oct.		1.9558	7.5748	27.251	7.4466	367.45	4.6222	4.8725	10.3650
2020 Oct.	22	1.9558	7.5788	27.230	7.4409	364.60	4.5783	4.8740	10.3740
	23	1.9558	7.5778	27.222	7.4407	364.17	4.5823	4.8740	10.3618
	26	1.9558	7.5780	27.295	7.4412	365.02	4.5799	4.8748	10.3475
	27	1.9558	7.5745	27.337	7.4406	365.41	4.5842	4.8765	10.3060
	28	1.9558	7.5778	27.422	7.4435	367.11	4.6202	4.8768	10.3710
	29	1.9558	7.5730	27.368	7.4462	368.00	4.6225	4.8751	10.4225
	30	1.9558	7.5748	27.251	7.4466	367.45	4.6222	4.8725	10.3650
Nov.	2	1.9558	7.5695	27.131	7.4455	366.24	4.6018	4.8674	10.3625
	3	1.9558	7.5595	26.913	7.4462	363.82	4.5680	4.8675	10.3835
	4	1.9558	7.5530	26.781	7.4466	362.42	4.5368	4.8675	10.3520
	5	1.9558	7.5518	26.766	7.4467	357.83	4.5134	4.8648	10.2770
	6	1.9558	7.5590	26.667	7.4493	359.02	4.5263	4.8670	10.2805
	9	1.9558	7.5640	26.475	7.4476	356.98	4.4670	4.8655	10.1970
	10	1.9558	7.5625	26.431	7.4445	357.36	4.4990	4.8667	10.2000
	11	1.9558	7.5635	26.447	7.4432	356.02	4.4873	4.8672	10.1748
	12	1.9558	7.5715	26.465	7.4459	355.20	4.4886	4.8683	10.1825
	13	1.9558	7.5720	26.461	7.4468	355.71	4.4888	4.8698	10.2537
	16	1.9558	7.5670	26.353	7.4480	358.16	4.4692	4.8728	10.2538

Period		Other European and non-European countries							
		Australia Australian dollar AUD	Brazil Brazilian real BRL	Canada Canadian dollar CAD	China Chinese yuan renminbi CNY	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK	India Indian rupee INR	Indonesia Indonesian rupiah IDR
2019 Sep.		1.6126	4.5288	1.4426	7.7784	8.5368	135.10	77.1615	15,456.94
Oct.		1.6137	4.4514	1.4673	7.8540	8.7401	138.10	79.1125	15,701.50
Nov.		1.6228	4.6459	1.4614	7.7172	8.5954	134.00	78.6875	15,490.11
Dec.		1.5995	4.5157	1.4598	7.8205	8.7473	135.80	80.1870	15,595.60
2020 Jan.		1.6494	4.7157	1.4627	7.6664	8.5843	136.30	78.9055	15,091.51
Feb.		1.6875	4.9232	1.4757	7.6662	8.5550	139.30	79.2850	15,749.25
Mar.		1.7967	5.7001	1.5617	7.7784	8.4945	155.60	82.8985	17,869.24
Apr.		1.6598	5.8565	1.5077	7.6665	8.4300	159.30	81.6108	16,178.05
May		1.6681	5.9654	1.5280	7.9456	8.6347	150.80	84.1025	16,269.70
June		1.6344	6.1118	1.5324	7.9219	8.6788	155.40	84.6235	16,184.41
July		1.6488	6.1219	1.5898	8.2637	9.1825	160.00	88.6355	17,364.00
Aug.		1.6214	6.4739	1.5601	8.1711	9.2536	164.30	87.4685	17,404.40
Sep.		1.6438	6.6308	1.5676	7.9720	9.0742	162.20	86.2990	17,497.84
Oct.		1.6563	6.7607	1.5556	7.8158	9.0706	164.40	87.1115	17,108.33
2020 Oct.	22	1.6644	6.6389	1.5559	7.8980	9.1614	164.60	87.1120	17,426.16
	23	1.6578	6.6052	1.5563	7.9157	9.1885	164.90	87.3245	17,410.24
	26	1.6592	6.6714	1.5580	7.9342	9.1598	165.30	87.5485	17,390.95
	27	1.6585	6.6711	1.5589	7.9345	9.1699	165.30	87.1635	17,344.17
	28	1.6603	6.7191	1.5578	7.8845	9.0885	164.80	86.8040	17,288.41
	29	1.6673	6.7680	1.5658	7.8531	9.0735	165.00	87.0865	17,306.12
	30	1.6563	6.7607	1.5556	7.8158	9.0706	164.40	87.1115	17,108.33
Nov.	2	1.6533	6.6916	1.5466	7.7962	9.0327	163.50	86.7555	17,064.82
	3	1.6406	6.6742	1.5385	7.8198	9.0694	163.70	87.0695	16,946.31
	4	1.6346	6.6760	1.5411	7.8038	9.0872	164.10	87.1955	16,892.54
	5	1.6356	6.5906	1.5478	7.8331	9.1922	163.70	87.7405	16,901.14
	6	1.6359	6.6072	1.5525	7.8468	9.2030	163.50	88.0085	16,943.12
	9	1.6234	6.2447	1.5388	7.8475	9.2128	163.10	87.6380	16,710.47
	10	1.6237	6.3563	1.5393	7.8107	9.1568	162.30	87.6665	16,590.24
	11	1.6172	6.3835	1.5364	7.7943	9.1241	162.90	87.5620	16,674.19
	12	1.6263	6.3638	1.5443	7.8105	9.1429	162.10	88.0660	16,747.23
	13	1.6300	6.4508	1.5528	7.8071	9.1608	161.90	88.1860	16,741.86
	16	1.6226	6.3930	1.5476	7.7945	9.1725	161.30	88.0795	16,680.89

* 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)								
Period	Israel New shekel ILS	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippines peso PHP
2019 Sep.	3.7877	117.59	1,304.83	4.5592	21.4522	1.7375	9.8953	56.553
Oct.	3.9342	120.73	1,302.87	4.6607	21.3265	1.7359	10.2520	56.704
Nov.	3.8136	120.43	1,295.81	4.5882	21.4483	1.7090	10.1045	55.838
Dec.	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653	9.8638	56.900
2020 Jan.	3.8090	120.35	1,321.60	4.5297	20.8044	1.7083	10.1893	56.382
Feb.	3.8052	119.36	1,324.98	4.6263	21.6370	1.7608	10.3888	56.027
Mar.	3.9018	118.90	1,341.03	4.7330	26.1772	1.8417	11.5100	55.865
Apr.	3.8069	115.87	1,313.09	4.6767	25.7953	1.7705	11.1840	54.772
May	3.9065	119.29	1,376.21	4.8414	24.5700	1.7863	10.7880	56.231
June	3.8821	120.66	1,345.83	4.7989	25.9470	1.7480	10.9120	55.834
July	4.0312	124.31	1,409.56	5.0230	26.2780	1.7771	10.7323	58.124
Aug.	4.0131	126.47	1,415.76	4.9736	26.0590	1.7728	10.4550	57.837
Sep.	4.0277	123.76	1,368.51	4.8653	26.1848	1.7799	11.1008	56.774
Oct.	3.9881	122.36	1,324.20	4.8588	24.8416	1.7565	11.0940	56.635
2020 Oct. 22	3.9983	123.72	1,341.66	4.8992	24.9990	1.7739	10.9325	57.467
23	4.0032	124.17	1,338.52	4.9291	24.7530	1.7703	10.9178	57.388
26	3.9965	124.14	1,338.31	4.9220	24.8705	1.7677	10.9465	57.205
27	4.0021	123.74	1,332.89	4.9274	24.6622	1.7639	10.8398	57.157
28	3.9794	122.36	1,332.51	4.8732	24.9759	1.7647	10.9693	56.708
29	3.9993	122.09	1,326.92	4.8648	25.0028	1.7677	11.1495	56.685
30	3.9881	122.36	1,324.20	4.8588	24.8416	1.7565	11.0940	56.635
Nov. 2	3.9681	121.93	1,320.61	4.8443	24.7327	1.7565	11.1128	56.407
3	3.9970	122.56	1,323.74	4.8634	24.7581	1.7531	11.0103	56.584
4	3.9976	122.31	1,327.24	4.8853	24.6474	1.7541	10.9583	56.717
5	4.0035	122.86	1,330.68	4.9169	24.5016	1.7540	10.8500	57.218
6	4.0076	122.66	1,332.60	4.9005	24.6840	1.7507	10.9203	57.192
9	3.9926	124.67	1,321.43	4.8821	23.8949	1.7378	10.7101	57.213
10	3.9884	124.36	1,318.93	4.8655	24.1004	1.7304	10.6618	57.050
11	3.9811	124.07	1,311.14	4.8588	24.0319	1.7112	10.6773	57.052
12	3.9847	124.25	1,314.39	4.8703	24.2625	1.7196	10.7658	57.175
13	3.9790	123.88	1,311.84	4.8707	24.2239	1.7304	10.8123	56.954
16	3.9733	124.15	1,310.50	4.8710	23.9849	1.7227	10.7310	56.983

Other European and non-European countries (cont'd)								
Period	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United Kingdom ¹ Pound sterling GBP	United States US dollar USD
2019 Sep.	70.7557	1.5060	16.5576	1.0847	33.315	6.1491	0.88573	1.0889
Oct.	71.3639	1.5174	16.9120	1.1007	33.668	6.3717	0.86133	1.1154
Nov.	70.5544	1.5017	16.1197	1.0998	33.204	6.3198	0.85225	1.0982
Dec.	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234
2020 Jan.	70.3375	1.5092	16.4900	1.0694	34.460	6.6117	0.84175	1.1052
Feb.	73.6096	1.5317	17.0961	1.0614	34.632	6.8348	0.85315	1.0977
Mar.	85.9486	1.5633	19.6095	1.0585	35.925	7.2063	0.88643	1.0956
Apr.	79.8920	1.5324	19.6572	1.0558	35.216	7.5979	0.86905	1.0876
May	78.4416	1.5712	19.4239	1.0720	35.424	7.6101	0.90088	1.1136
June	79.6300	1.5648	19.4425	1.0651	34.624	7.6761	0.91243	1.1198
July	87.6900	1.6245	20.0960	1.0769	36.948	8.2595	0.90053	1.1848
Aug.	88.2993	1.6235	19.9589	1.0774	37.098	8.7770	0.89605	1.1940
Sep.	91.7763	1.6035	19.7092	1.0804	37.079	9.0990	0.91235	1.1708
Oct.	92.4606	1.5952	19.0359	1.0698	36.439	9.7940	0.90208	1.1698
2020 Oct. 22	90.8256	1.6043	19.2759	1.0726	37.000	9.3815	0.90273	1.1821
23	90.6421	1.6089	19.1905	1.0715	37.056	9.4418	0.90675	1.1856
26	90.2935	1.6095	19.2080	1.0719	36.970	9.5593	0.90755	1.1819
27	90.5710	1.6078	19.0620	1.0732	36.940	9.6466	0.90718	1.1832
28	92.3025	1.6014	19.2187	1.0693	36.659	9.6906	0.90662	1.1727
29	93.0481	1.5988	19.2322	1.0684	36.598	9.7418	0.90430	1.1704
30	92.4606	1.5952	19.0359	1.0698	36.439	9.7940	0.90208	1.1698
Nov. 2	93.7450	1.5903	18.8972	1.0695	36.249	9.8332	0.90053	1.1652
3	92.8975	1.5931	18.7681	1.0709	36.329	9.9840	0.90042	1.1702
4	92.4670	1.5926	18.8090	1.0675	36.370	9.9037	0.89954	1.1721
5	91.7450	1.6014	18.6894	1.0724	36.525	9.9980	0.90450	1.1855
6	92.4200	1.5999	18.6933	1.0682	36.287	10.1489	0.90430	1.1870
9	90.1763	1.5950	18.1305	1.0778	36.101	9.5786	0.90224	1.1883
10	90.2297	1.5926	18.3507	1.0817	35.825	9.7675	0.89183	1.1808
11	90.1050	1.5878	18.4320	1.0793	35.686	9.2823	0.88935	1.1766
12	91.2463	1.5921	18.4908	1.0805	35.715	9.1207	0.89765	1.1791
13	91.6113	1.5934	18.4068	1.0805	35.646	9.1303	0.89683	1.1815
16	90.5157	1.5934	18.2346	1.0819	35.750	9.1749	0.89819	1.1830

* See Explanatory notes, p. 48. ¹ The United Kingdom ceased to be a member of the European Union on 31 January 2020.

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

2. Annual and monthly averages +

EUR 1 = CU ...

EU member countries									
Period	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	
2018	1.9558	7.4182	25.647	7.4532	318.89	4.2615	4.6540	10.2583	
2019	1.9558	7.4180	25.670	7.4661	325.30	4.2976	4.7453	10.5891	
2018 Sep.	1.9558	7.4294	25.614	7.4583	324.82	4.3006	4.6471	10.4426	
Oct.	1.9558	7.4245	25.819	7.4597	323.84	4.3046	4.6658	10.3839	
Nov.	1.9558	7.4281	25.935	7.4611	322.33	4.3018	4.6610	10.2918	
Dec.	1.9558	7.4041	25.835	7.4653	322.74	4.2900	4.6536	10.2766	
2019 Jan.	1.9558	7.4286	25.650	7.4657	319.80	4.2916	4.7062	10.2685	
Feb.	1.9558	7.4151	25.726	7.4627	317.91	4.3175	4.7486	10.4986	
Mar.	1.9558	7.4206	25.676	7.4625	315.92	4.2969	4.7546	10.4999	
Apr.	1.9558	7.4282	25.677	7.4650	321.18	4.2864	4.7584	10.4819	
May	1.9558	7.4189	25.768	7.4675	324.98	4.2958	4.7594	10.7372	
June	1.9558	7.4079	25.605	7.4669	322.56	4.2635	4.7250	10.6263	
July	1.9558	7.3903	25.548	7.4656	325.27	4.2596	4.7286	10.5604	
Aug.	1.9558	7.3897	25.802	7.4602	326.91	4.3466	4.7280	10.7356	
Sep.	1.9558	7.4012	25.868	7.4634	332.45	4.3531	4.7381	10.6968	
Oct.	1.9558	7.4363	25.689	7.4693	331.46	4.3013	4.7538	10.8023	
Nov.	1.9558	7.4400	25.531	7.4720	333.62	4.2855	4.7698	10.6497	
Dec.	1.9558	7.4416	25.497	7.4720	330.71	4.2726	4.7779	10.4827	
2020 Jan.	1.9558	7.4429	25.216	7.4729	334.38	4.2507	4.7788	10.5544	
Feb.	1.9558	7.4543	25.051	7.4713	337.17	4.2766	4.7837	10.5679	
Mar.	1.9558	7.5706	26.575	7.4703	345.68	4.4406	4.8282	10.8751	
Apr.	1.9558	7.5928	27.262	7.4617	356.69	4.5437	4.8371	10.8845	
May	1.9558	7.5749	27.269	7.4577	350.76	4.5251	4.8371	10.5970	
June	1.9558	7.5682	26.681	7.4548	347.69	4.4450	4.8392	10.4869	
July	1.9558	7.5296	26.514	7.4467	351.16	4.4493	4.8383	10.3538	
Aug.	1.9558	7.5077	26.167	7.4460	348.93	4.3995	4.8376	10.3087	
Sep.	1.9558	7.5417	26.741	7.4418	360.61	4.4727	4.8602	10.4279	
Oct.	1.9558	7.5746	27.213	7.4424	362.53	4.5414	4.8747	10.3967	

Other European and non-European countries								
Period	Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2018	1.5797	4.3085	1.5294	7.8081	9.2559	127.89	80.7332	16,803.22
2019	1.6109	4.4134	1.4855	7.7355	8.7715	137.28	78.8361	15,835.27
2018 Sep.	1.6189	4.8013	1.5211	7.9930	9.1375	128.90	84.2109	17,338.45
Oct.	1.6158	4.3246	1.4935	7.9481	9.0011	134.47	84.5447	17,428.73
Nov.	1.5681	4.2973	1.4998	7.8880	8.9000	139.78	81.5611	16,651.71
Dec.	1.5849	4.4214	1.5278	7.8398	8.9026	137.78	80.6166	16,512.15
2019 Jan.	1.5975	4.2700	1.5196	7.7504	8.9527	136.66	80.7983	16,164.77
Feb.	1.5895	4.2234	1.4995	7.6485	8.9082	136.10	80.8601	15,936.22
Mar.	1.5959	4.3369	1.5104	7.5868	8.8718	135.48	78.5605	16,059.50
Apr.	1.5802	4.3740	1.5035	7.5489	8.8164	135.34	78.0027	15,899.18
May	1.6116	4.4797	1.5058	7.6736	8.7779	137.64	78.0798	16,095.47
June	1.6264	4.3600	1.5011	7.7937	8.8383	140.82	78.4078	16,060.27
July	1.6061	4.2416	1.4693	7.7151	8.7638	139.87	77.1279	15,745.50
Aug.	1.6431	4.4649	1.4768	7.8581	8.7243	137.66	79.1902	15,838.62
Sep.	1.6162	4.5307	1.4578	7.8323	8.6224	137.57	78.5678	15,511.84
Oct.	1.6271	4.5212	1.4581	7.8447	8.6678	137.73	78.5177	15,604.45
Nov.	1.6181	4.5900	1.4630	7.7571	8.6511	136.52	78.9799	15,546.69
Dec.	1.6154	4.5700	1.4640	7.7974	8.6744	135.63	79.1092	15,568.87
2020 Jan.	1.6189	4.6020	1.4523	7.6832	8.6283	137.10	79.1342	15,236.08
Feb.	1.6356	4.7327	1.4485	7.6302	8.4785	138.23	77.9818	15,032.66
Mar.	1.7788	5.3986	1.5417	7.7675	8.5907	149.11	82.4374	16,851.13
Apr.	1.7271	5.7807	1.5287	7.6858	8.4194	157.11	82.7869	17,178.89
May	1.6724	6.1499	1.5219	7.7482	8.4511	156.61	82.4983	16,198.23
June	1.6322	5.8377	1.5254	7.9734	8.7226	152.71	85.2212	15,987.12
July	1.6304	6.0590	1.5481	8.0352	8.8854	158.49	85.8847	16,659.27
Aug.	1.6433	6.4381	1.5654	8.1954	9.1671	161.77	88.2309	17,402.53
Sep.	1.6307	6.3663	1.5586	8.0333	9.1393	162.69	86.7266	17,491.99
Oct.	1.6521	6.6170	1.5559	7.9225	9.1262	163.65	86.5891	17,348.27

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

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

EUR 1 = CU ...

Other European and non-European countries (cont'd)								
Period	Israel New shekel ILS	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippines peso PHP
2018	4.2423		130.40	1,299.07	4.7634	22.7054	1.7065	62.210
2019	3.9901		122.01	1,305.32	4.6374	21.5565	1.6998	57.985
2018 Sep.	4.1858		130.54	1,305.86	4.8265	22.1891	1.7674	62.957
Oct.	4.1996		129.62	1,300.10	4.7761	21.9950	1.7586	61.950
Nov.	4.2122		128.79	1,280.89	4.7548	23.0062	1.6779	59.958
Dec.	4.2736		127.88	1,278.13	4.7459	22.8889	1.6675	60.135
2019 Jan.	4.2075		124.34	1,281.46	4.7001	21.8985	1.6850	59.882
Feb.	4.1162		125.28	1,274.32	4.6272	21.7766	1.6605	59.207
Mar.	4.0885		125.67	1,279.67	4.6090	21.7363	1.6540	59.358
Apr.	4.0413		125.44	1,284.41	4.6237	21.3367	1.6720	58.470
May	4.0184		122.95	1,325.20	4.6665	21.3926	1.7057	58.483
June	4.0624		122.08	1,325.28	4.6968	21.7827	1.7119	58.425
July	3.9758		121.41	1,320.29	4.6258	21.3614	1.6790	57.338
Aug.	3.9046		118.18	1,347.10	4.6599	21.8925	1.7303	58.075
Sep.	3.8769		118.24	1,315.02	4.6056	21.5374	1.7345	57.306
Oct.	3.8882		119.51	1,308.65	4.6283	21.3687	1.7455	56.860
Nov.	3.8472		120.34	1,291.19	4.5937	21.3399	1.7266	56.062
Dec.	3.8630		121.24	1,306.19	4.6093	21.2640	1.6864	56.432
2020 Jan.	3.8417		121.36	1,296.12	4.5279	20.8733	1.6811	56.436
Feb.	3.7432		120.03	1,303.58	4.5391	20.5356	1.7064	55.369
Mar.	3.9860		118.90	1,347.99	4.7549	24.7250	1.8276	56.453
Apr.	3.8771		116.97	1,328.89	4.7307	26.3607	1.8109	55.065
May	3.8348		116.87	1,340.44	4.7331	25.5652	1.7890	55.121
June	3.8893		121.12	1,358.75	4.8118	25.0828	1.7473	56.333
July	3.9331		122.38	1,374.16	4.8878	25.6999	1.7406	56.619
Aug.	4.0214		125.40	1,403.44	4.9506	26.2544	1.7931	57.682
Sep.	4.0350		124.50	1,388.68	4.8935	25.5361	1.7681	57.223
Oct.	3.9966		123.89	1,347.03	4.8891	25.0613	1.7736	57.107

Other European and non-European countries (cont'd)								
Period	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United Kingdom ¹ Pound sterling GBP	United States US dollar USD
2018	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	0.88471	1.1810
2019	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195
2018 Sep.	78.8756	1.5986	17.2295	1.1286	38.013	7.3840	0.89281	1.1659
Oct.	75.6102	1.5843	16.6548	1.1413	37.652	6.6919	0.88272	1.1484
Nov.	75.5508	1.5629	16.0114	1.1377	37.470	6.0896	0.88118	1.1367
Dec.	76.6804	1.5595	16.1870	1.1293	37.238	6.0630	0.89774	1.1384
2019 Jan.	76.3055	1.5486	15.8170	1.1297	36.318	6.1365	0.88603	1.1416
Feb.	74.7184	1.5365	15.6879	1.1368	35.532	5.9888	0.87264	1.1351
Mar.	73.6288	1.5306	16.2507	1.1311	35.869	6.1983	0.85822	1.1302
Apr.	72.6571	1.5239	15.8959	1.1319	35.800	6.4707	0.86179	1.1238
May	72.6164	1.5340	16.1371	1.1304	35.570	6.7694	0.87176	1.1185
June	72.4028	1.5390	16.4749	1.1167	35.139	6.5619	0.89107	1.1293
July	70.9068	1.5268	15.7412	1.1076	34.550	6.3528	0.89942	1.1218
Aug.	73.2161	1.5408	16.8632	1.0892	34.218	6.2869	0.91554	1.1126
Sep.	71.4106	1.5183	16.3207	1.0903	33.639	6.2765	0.89092	1.1004
Oct.	71.0858	1.5150	16.4939	1.0981	33.558	6.4023	0.87539	1.1053
Nov.	70.5770	1.5047	16.3444	1.0978	33.422	6.3420	0.85761	1.1051
Dec.	69.9867	1.5081	16.0502	1.0925	33.562	6.5022	0.84731	1.1113
2020 Jan.	68.7690	1.5003	16.0091	1.0765	33.814	6.5808	0.84927	1.1100
Feb.	69.9107	1.5157	16.3640	1.0648	34.163	6.6195	0.84095	1.0905
Mar.	82.4264	1.5671	18.4175	1.0591	35.499	7.0170	0.89460	1.1063
Apr.	81.7454	1.5474	20.1822	1.0545	35.446	7.4617	0.87547	1.0862
May	79.2332	1.5461	19.7453	1.0574	34.953	7.5527	0.88685	1.0902
June	78.0103	1.5686	19.2726	1.0712	35.077	7.6807	0.89878	1.1255
July	82.0171	1.5906	19.2174	1.0711	36.014	7.8843	0.90467	1.1463
Aug.	87.3520	1.6195	20.3836	1.0767	36.911	8.6144	0.90081	1.1828
Sep.	89.5997	1.6104	19.7338	1.0786	36.997	8.9084	0.90947	1.1792
Oct.	91.4320	1.6008	19.3657	1.0739	36.796	9.3701	0.90741	1.1775

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ The United Kingdom ceased to be a member of the European Union on 31 January 2020.

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

3. End-of-year rates and annual averages

EUR 1 = CU ...

Period	EU member countries								
	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Cyprus Cyprus pound CYP ¹	Czechia Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK ¹	Hungary Hungarian forint HUF	Latvia Latvian lats LVL ¹	Lithuania Lithuanian litas LTL ¹
End of year									
2006	1.9558	7.3504	0.57820	27.485	7.4560	15.6466	251.77	0.6972	3.4528
2007	1.9558	7.3308	0.585274	26.628	7.4583	15.6466	253.73	0.6964	3.4528
2008	1.9558	7.3555	–	26.875	7.4506	15.6466	266.70	0.7083	3.4528
2009	1.9558	7.3000	–	26.473	7.4418	15.6466	270.42	0.7093	3.4528
2010	1.9558	7.3830	–	25.061	7.4535	15.6466	277.95	0.7094	3.4528
2011	1.9558	7.5370	–	25.787	7.4342	–	314.58	0.6995	3.4528
2012	1.9558	7.5575	–	25.151	7.4610	–	292.30	0.6977	3.4528
2013	1.9558	7.6265	–	27.427	7.4593	–	297.04	0.702804	3.4528
2014	1.9558	7.6580	–	27.735	7.4453	–	315.54	–	3.4528
2015	1.9558	7.6380	–	27.023	7.4626	–	315.98	–	–
2016	1.9558	7.5597	–	27.021	7.4344	–	309.83	–	–
2017	1.9558	7.4400	–	25.535	7.4449	–	310.33	–	–
2018	1.9558	7.4125	–	25.724	7.4673	–	320.98	–	–
2019	1.9558	7.4395	–	25.408	7.4715	–	330.53	–	–
Annual averages ⁺									
2006	1.9558	7.3247	0.57578	28.342	7.4591	15.6466	264.26	0.6962	3.4528
2007	1.9558	7.3376	0.58263	27.766	7.4506	15.6466	251.35	0.7001	3.4528
2008	1.9558	7.2239	–	24.946	7.4560	15.6466	251.51	0.7027	3.4528
2009	1.9558	7.3400	–	26.435	7.4462	15.6466	280.33	0.7057	3.4528
2010	1.9558	7.2891	–	25.284	7.4473	15.6466	275.48	0.7087	3.4528
2011	1.9558	7.4390	–	24.590	7.4506	–	279.37	0.7063	3.4528
2012	1.9558	7.5217	–	25.149	7.4437	–	289.25	0.6973	3.4528
2013	1.9558	7.5786	–	25.980	7.4579	–	296.87	0.7015	3.4528
2014	1.9558	7.6344	–	27.536	7.4548	–	308.71	–	3.4528
2015	1.9558	7.6137	–	27.279	7.4587	–	310.00	–	–
2016	1.9558	7.5333	–	27.034	7.4452	–	311.44	–	–
2017	1.9558	7.4637	–	26.326	7.4386	–	309.19	–	–
2018	1.9558	7.4182	–	25.647	7.4532	–	318.89	–	–
2019	1.9558	7.4180	–	25.670	7.4661	–	325.30	–	–

Period	EU member countries (cont'd)						Other European and non-European countries			
	Malta Maltese lira MTL ¹	Poland Polish zloty PLN	Romania Romanian leu RON	Slovakia Slovak koruna SKK ¹	Slovenia Slovenian tolar SIT ¹	Sweden Swedish krona SEK	Australia Australian dollar AUD	Brazil Brazilian real BRL ²	Canada Canadian dollar CAD	China Chinese yuan renminbi CNY
End of year										
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	1.6691	2.8141	1.5281	10.2793
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	1.6757	2.5914	1.4449	10.7524
2008	–	4.1535	4.0225	30.126	–	10.8700	2.0274	3.2436	1.6998	9.4956
2009	–	4.1045	4.2363	–	–	10.2520	1.6008	2.5113	1.5128	9.8350
2010	–	3.9750	4.2620	–	–	8.9655	1.3136	2.2177	1.3322	8.8220
2011	–	4.4580	4.3233	–	–	8.9120	1.2723	2.4159	1.3215	8.1588
2012	–	4.0740	4.4445	–	–	8.5820	1.2712	2.7036	1.3137	8.2207
2013	–	4.1543	4.4710	–	–	8.8591	1.5423	3.2576	1.4671	8.3491
2014	–	4.2732	4.4828	–	–	9.3930	1.4829	3.2207	1.4063	7.5358
2015	–	4.2639	4.5240	–	–	9.1895	1.4897	4.3117	1.5116	7.0608
2016	–	4.4103	4.5390	–	–	9.5525	1.4596	3.4305	1.4188	7.3202
2017	–	4.1770	4.6585	–	–	9.8438	1.5346	3.9729	1.5039	7.8044
2018	–	4.3014	4.6635	–	–	10.2548	1.6220	4.4440	1.5605	7.8751
2019	–	4.2568	4.7830	–	–	10.4468	1.5995	4.5157	1.4598	7.8205
Annual averages ⁺										
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	1.6668	2.7333	1.4237	10.0096
2007	0.4293	3.7837	3.3353	33.775	–	9.2501	1.6348	2.6633	1.4678	10.4178
2008	–	3.5121	3.6826	31.262	–	9.6152	1.7416	2.6737	1.5594	10.2236
2009	–	4.3276	4.2399	–	–	10.6191	1.7727	2.7674	1.5850	9.5277
2010	–	3.9947	4.2122	–	–	9.5373	1.4423	2.3314	1.3651	8.9712
2011	–	4.1206	4.2391	–	–	9.0298	1.3484	2.3265	1.3761	8.9960
2012	–	4.1847	4.4593	–	–	8.7041	1.2407	2.5084	1.2842	8.1052
2013	–	4.1975	4.4190	–	–	8.6515	1.3777	2.8687	1.3684	8.1646
2014	–	4.1843	4.4437	–	–	9.0985	1.4719	3.1211	1.4661	8.1857
2015	–	4.1841	4.4454	–	–	9.3535	1.4777	3.7004	1.4186	6.9733
2016	–	4.3632	4.4904	–	–	9.4689	1.4883	3.8561	1.4659	7.3522
2017	–	4.2570	4.5688	–	–	9.6351	1.4732	3.6054	1.4647	7.6290
2018	–	4.2615	4.6540	–	–	10.2583	1.5797	4.3085	1.5294	7.8081
2019	–	4.2976	4.7453	–	–	10.5891	1.6109	4.4134	1.4855	7.7355

* 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 Up to December 2007, ECB indicative rates.

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)										
	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand
Period	Hong Kong dollar HKD	Icelandic krona ISK ¹	Indian rupee INR ²	Indonesian rupiah IDR	New shekel ILS ³	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN ⁴	New Zealand dollar NZD
End of year										
2006	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899	1.8725
2007	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732	1.9024
2008	10.7858	–	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333	2.4191
2009	11.1709	–	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223	1.9803
2010	10.3856	–	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475	1.7200
2011	10.0510	–	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512	1.6737
2012	10.2260	–	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845	1.6045
2013	10.6933	–	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731	1.6762
2014	9.4170	–	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679	1.5525
2015	8.4376	–	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145	1.5923
2016	8.1751	–	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719	1.5158
2017	9.3720	–	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612	1.6850
2018	8.9675	133.20	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921	1.7056
2019	8.7473	135.80	80.1870	15,595.60	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653
Annual averages +										
2006	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936	1.9373
2007	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743	1.8627
2008	11.4541	143.83	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911	2.0770
2009	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989	2.2121
2010	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373	1.8377
2011	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877	1.7600
2012	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029	1.5867
2013	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641	1.6206
2014	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550	1.5995
2015	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157	1.5930
2016	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673	1.5886
2017	8.8045	–	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286	1.5897
2018	9.2559	127.89	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054	1.7065
2019	8.7715	137.28	78.8361	15,835.27	3.9901	122.01	1,305.32	4.6374	21.5565	1.6998

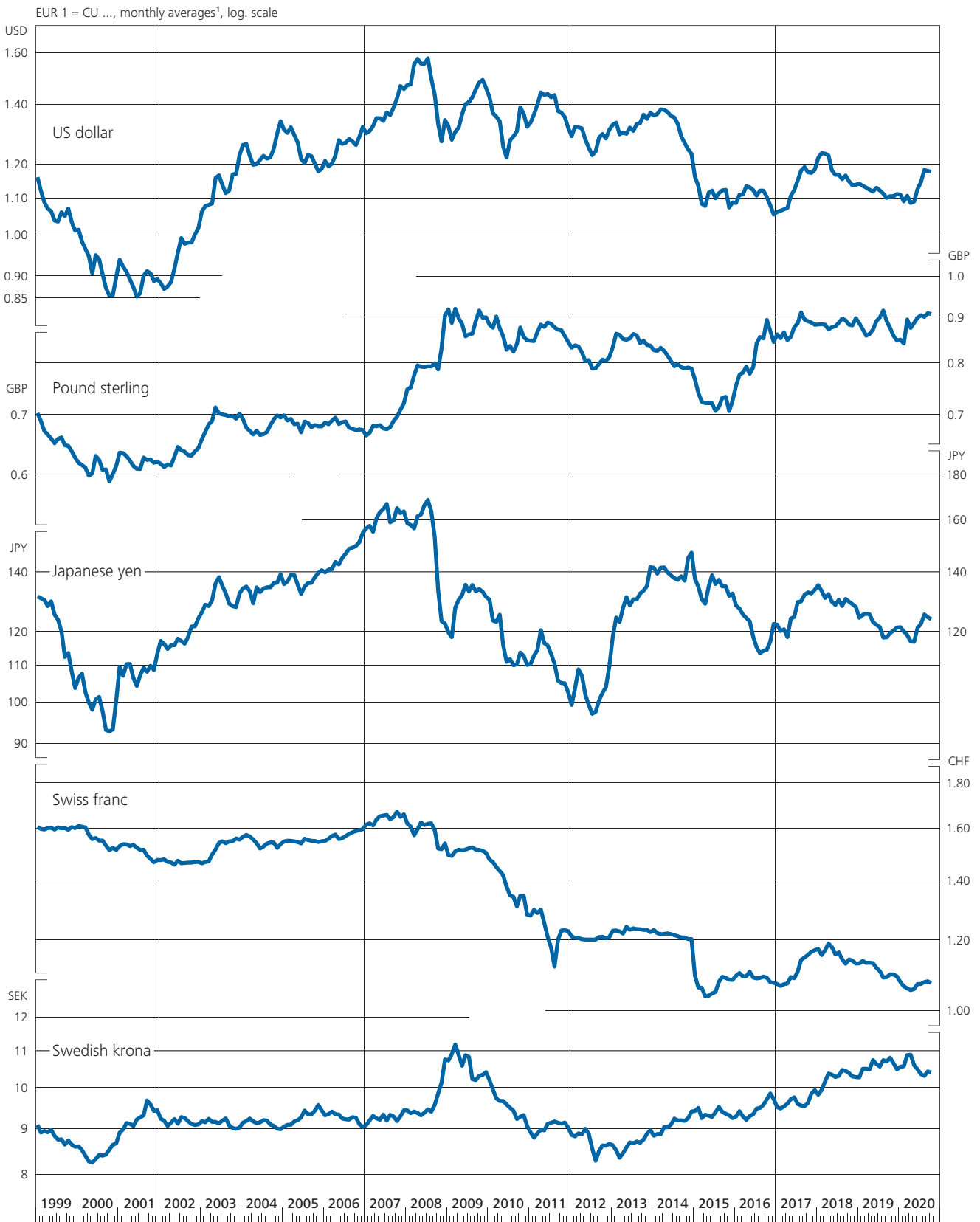
Other European and non-European countries (cont'd)										
	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom ⁶	United States
Period	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira ⁵ TRY	Pound sterling GBP	US dollar USD
End of year										
2006	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1.8640	0.67150	1.3170
2007	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	0.73335	1.4721
2008	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	0.95250	1.3917
2009	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	0.88810	1.4406
2010	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	0.86075	1.3362
2011	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	0.83530	1.2939
2012	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	0.81610	1.3194
2013	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	0.83370	1.3791
2014	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	0.77890	1.2141
2015	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	0.73395	1.0887
2016	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	0.85618	1.0541
2017	9.8403	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	0.88723	1.1993
2018	9.9483	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	0.89453	1.1450
2019	9.8638	56.900	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234
Annual averages +										
2006	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	0.68173	1.2556
2007	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	0.68434	1.3705
2008	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	0.79628	1.4708
2009	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	0.89094	1.3948
2010	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	0.85784	1.3257
2011	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	0.86788	1.3920
2012	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	0.81087	1.2848
2013	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	0.84926	1.3281
2014	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	0.80612	1.3285
2015	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	0.72584	1.1095
2016	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	0.81948	1.1069
2017	9.3270	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	0.87667	1.1297
2018	9.5975	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	0.88471	1.1810
2019	9.8511	57.985	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018. ² Up to December 2008, ECB indicative rates. ³ Up to

December 2010, ECB indicative rates. ⁴ Up to December 2007, ECB indicative rates. ⁵ Up to end-2008, New Turkish lira. ⁶ The United Kingdom ceased to be a member of the European Union on 31 January 2020.

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

4. Exchange rates of major currencies

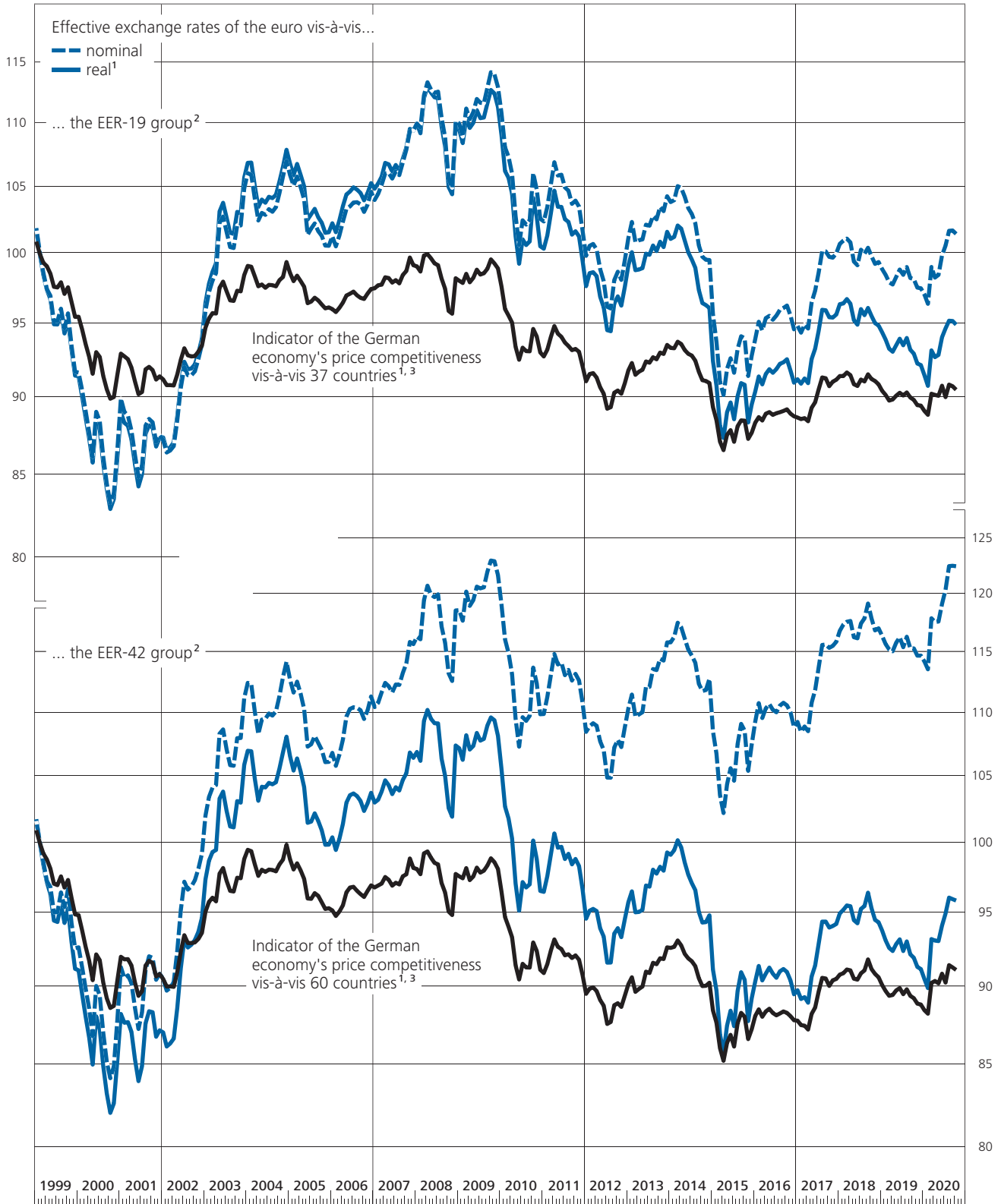


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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



Source: ECB and Bundesbank calculation. * The weights are based on trade in manufactured goods and, as from the publication of 1 July 2020, additionally on trade in services. For more detailed information on methodology and definition of country groups, see Explanatory notes, pp. 48–50. A decline in the figures

implies an increase in competitiveness. **1** Based on consumer price indices. **2** Includes the 19 respectively 42 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 rate of the euro vis-à-vis the currencies of the group						
	EER-19 1			EER-42 1			
	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	96.3	96.1	96.0	96.1	96.5	95.9	
2000	87.2	86.8	86.1	85.8	88.1	86.1	
2001	87.6	87.1	86.8	86.8	90.2	86.9	
2002	89.9	90.2	89.9	90.4	94.5	90.5	
2003	100.5	101.3	101.1	101.8	106.4	101.5	
2004	104.3	105.2	104.0	105.2	110.8	105.3	
2005	102.9	103.9	102.1	103.4	109.0	102.9	
2006	102.9	103.9	101.5	102.3	109.1	102.3	
2007	106.4	106.9	103.8	104.7	112.7	104.5	
2008	110.2	109.8	106.0	109.0	117.4	106.9	
2009	111.7	110.6	107.1	114.7	120.5	108.0	
2010	104.5	102.9	99.0	106.6	111.9	99.0	
2011	104.3	102.0	97.0	105.0	112.7	98.6	
2012	98.6	96.8	91.5	98.9	107.5	93.8	
2013	102.2	99.9	94.4	101.9	112.2	96.8	
2014	102.4	99.3	94.3	102.6	114.6	97.2	
2015	92.6	89.6	85.8	92.2	106.1	88.7	
2016	95.3	91.6	88.0	p 93.4	110.1	90.7	
2017	97.5	93.5	89.1	p 94.1	112.4	91.9	
2018	100.0	95.7	90.5	p 95.5	117.3	95.1	
2019	98.2	93.3	88.7	p 92.8	115.5	92.4	
2018 Nov.	99.2	95.0	89.9	p 94.8	116.8	94.5	
2018 Dec.	99.3	94.8			117.0	94.3	
2019 Jan.	98.8	94.3			116.3	93.7	
2019 Feb.	98.4	93.8	88.9	p 93.3	115.6	93.1	
2019 Mar.	97.9	93.2			115.2	92.5	
2019 Apr.	97.7	93.0			115.0	92.3	
2019 May	98.2	93.4	88.6	p 93.0	115.7	92.8	
2019 June	98.8	93.9			116.2	93.1	
2019 July	98.4	93.4			115.4	92.3	
2019 Aug.	98.9	93.9	88.9	p 93.2	116.2	93.0	
2019 Sep.	98.2	93.1			115.3	92.1	
2019 Oct.	98.1	92.9			115.3	91.9	
2019 Nov.	97.5	92.2	88.4	p 92.0	114.6	91.3	
2019 Dec.	97.4	92.1			114.7	91.1	
2020 Jan.	97.0	91.4			114.2	90.5	
2020 Feb.	96.3	90.7	88.1	p 92.6	113.5	89.9	
2020 Mar.	99.0	93.1			117.8	p 93.1	
2020 Apr.	98.2	92.6			117.5	p 93.0	
2020 May	98.4	92.8	p 88.1	p 92.1	117.6	p 93.0	
2020 June	99.8	94.0			119.1	p 94.1	
2020 July	100.5	p 94.6			120.3	p 94.9	
2020 Aug.	101.6	p 95.1	...	...	122.4	p 96.0	
2020 Sep.	101.6	p 95.1			122.5	p 95.9	
2020 Oct.	101.4	p 94.9			122.4	p 95.8	
2020 Oct. 19	101.3	-	-	-	122.3	-	
2020 Oct. 20	101.6	-	-	-	122.7	-	
2020 Oct. 21	101.5	-	-	-	122.6	-	
2020 Oct. 22	101.4	-	-	-	122.5	-	
2020 Oct. 23	101.6	-	-	-	122.6	-	
2020 Oct. 26	101.6	-	-	-	122.7	-	
2020 Oct. 27	101.6	-	-	-	122.7	-	
2020 Oct. 28	101.3	-	-	-	122.4	-	
2020 Oct. 29	101.1	-	-	-	122.3	-	
2020 Oct. 30	100.9	-	-	-	122.1	-	
2020 Nov. 2	100.7	-	-	-	121.8	-	
2020 Nov. 3	100.7	-	-	-	121.9	-	
2020 Nov. 4	100.6	-	-	-	121.8	-	
2020 Nov. 5	101.0	-	-	-	122.2	-	
2020 Nov. 6	101.0	-	-	-	122.3	-	
2020 Nov. 9	100.9	-	-	-	121.8	-	
2020 Nov. 10	100.6	-	-	-	121.5	-	
2020 Nov. 11	100.3	-	-	-	121.1	-	
2020 Nov. 12	100.6	-	-	-	121.4	-	
2020 Nov. 13	100.6	-	-	-	121.5	-	
2020 Nov. 16	100.6	-	-	-	121.4	-	

ECB calculation. * The weights are based on trade in manufactured goods and, as from the publication of 1 July 2020, additionally on trade in 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 19 respectively 42 most important trading partners for the euro area economy.

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				
	26 selected industrial countries 1			37 countries 2	26 selected industrial countries 1			37 countries 2	60 countries 2
	Total	of which:			Total	of which:			
		Euro area countries	Non-euro area countries	Euro area countries		Non-euro area countries			
1999	97.9	99.5	95.9	97.7	98.2	100.1	96.0	98.1	97.8
2000	91.9	97.4	85.5	91.1	93.0	99.0	86.0	92.2	91.2
2001	91.7	96.5	86.1	90.5	92.9	98.1	86.8	91.6	91.0
2002	92.4	95.6	88.6	91.1	93.4	96.8	89.4	92.1	91.9
2003	95.9	94.7	97.7	95.3	97.0	95.7	98.9	96.6	96.8
2004	96.2	93.5	100.2	95.6	98.4	95.3	102.8	98.1	98.4
2005	94.8	91.9	99.0	93.3	98.4	95.1	103.1	97.1	96.8
2006	93.6	90.3	98.4	91.6	98.5	94.8	103.9	96.7	96.0
2007	94.5	89.5	102.1	92.0	100.9	95.1	109.5	98.2	97.4
2008	94.9	88.3	105.3	91.3	102.3	94.5	114.6	98.4	97.6
2009	95.2	89.1	104.8	92.0	101.9	94.4	113.5	98.5	98.0
2010	92.6	88.7	98.3	88.2	98.7	94.0	105.8	94.2	92.5
2011	92.2	88.5	97.7	87.4	98.2	93.6	104.8	93.4	91.9
2012	90.1	88.3	92.6	84.7	95.9	93.2	99.6	90.5	89.0
2013	92.4	88.8	97.6	86.7	98.2	93.3	105.3	92.3	90.9
2014	92.9	89.6	97.8	87.4	98.2	93.5	104.9	92.5	91.5
2015	89.8	90.3	88.9	83.6	94.4	94.0	94.5	87.8	87.0
2016	90.6	90.7	90.5	84.9	95.1	94.0	96.2	88.8	88.2
2017	91.8	90.7	93.2	85.6	96.4	94.2	99.3	89.9	89.0
2018	92.9	90.7	96.0	86.4	97.7	94.3	102.6	91.1	90.9
2019	92.0	91.0	93.2	85.6	96.4	94.3	99.4	89.9	89.5
2017 May	91.2	90.8	91.6	85.0	95.6	94.1	97.6	89.3	88.2
2017 June					96.1	94.1	98.7	89.6	88.6
2017 July					96.9	94.3	100.5	90.5	89.6
2017 Aug.	92.8	90.9	95.6	86.6	97.7	94.4	102.5	91.3	90.5
2017 Sep.					97.7	94.3	102.5	91.2	90.5
2017 Oct.					97.3	94.0	101.9	90.7	90.0
2017 Nov.	92.8	90.7	95.9	86.5	97.7	94.4	102.5	91.0	90.4
2017 Dec.					97.9	94.4	102.9	91.1	90.5
2018 Jan.					98.2	94.2	104.1	91.4	90.8
2018 Feb.	93.3	90.5	97.5	86.7	98.2	94.3	104.1	91.4	90.8
2018 Mar.					98.4	94.4	104.4	91.6	91.1
2018 Apr.					98.4	94.3	104.4	91.4	91.0
2018 May	92.9	90.7	96.2	86.2	97.8	94.3	102.8	90.8	90.5
2018 June					97.5	94.3	102.0	90.7	90.4
2018 July					97.4	94.1	102.2	91.1	90.8
2018 Aug.	92.6	90.6	95.6	86.4	97.3	94.2	101.7	91.0	91.0
2018 Sep.					97.7	94.5	102.3	91.5	91.8
2018 Oct.					97.4	94.4	101.5	91.2	91.1
2018 Nov.	92.5	90.9	94.8	86.3	97.3	94.5	101.1	91.0	90.8
2018 Dec.					97.2	94.4	101.1	90.8	90.6
2019 Jan.					96.8	94.1	100.6	90.4	90.1
2019 Feb.	92.0	90.7	93.8	85.5	96.7	94.1	100.2	90.1	89.7
2019 Mar.					96.4	94.0	99.6	89.7	89.4
2019 Apr.					96.5	94.3	99.6	89.8	89.4
2019 May	92.1	90.9	93.6	85.5	96.6	94.3	99.7	90.1	89.7
2019 June					96.8	94.3	100.2	90.2	89.9
2019 July					96.7	94.4	99.8	90.1	89.5
2019 Aug.	92.0	91.1	93.1	85.7	96.5	94.2	99.7	90.3	89.8
2019 Sep.					96.2	94.3	98.6	89.9	89.3
2019 Oct.					96.2	94.3	98.7	89.8	89.2
2019 Nov.	91.8	91.3	92.3	85.5	96.0	94.3	98.2	89.4	88.8
2019 Dec.					95.9	94.3	98.0	89.4	88.8
2020 Jan.					95.9	94.4	97.9	89.1	88.4
2020 Feb.	91.5	91.3	91.6	85.3	95.6	94.5	96.9	88.8	88.2
2020 Mar.					96.6	94.6	99.2	90.2	p 90.2
2020 Apr.					96.3	94.7	98.2	90.1	p 90.3
2020 May	91.5	91.5	91.4	85.9	96.2	94.6	98.3	90.0	p 90.2
2020 June					96.9	94.6	100.1	90.7	p 90.8
2020 July					96.0	93.3	99.7	p 90.0	p 90.2
2020 Aug.	...	...	...	...	97.0	94.1	101.2	p 90.8	p 91.4
2020 Sep.					96.9	93.9	101.1	p 90.7	p 91.2
2020 Oct.					p 96.6	p 93.7	p 100.8	p 90.4	p 91.1

* The weights are based on trade in manufactured goods and, as from the publication of 1 July 2020, additionally on trade in 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 avail-

able, 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.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Afghanistan							
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 77.7425	AFN 76.7700	AFN 76.8313	AFN 76.7292
		S	USD 1 =	AFN 77.8425	AFN 76.8700	AFN 76.9313	AFN 76.8292
	AFN	B	EUR 1 =	AFN 86.8579	AFN 88.4891	AFN 89.1422	AFN 89.2950
		S	EUR 1 =	AFN 87.1179	AFN 88.7491	AFN 89.4022	AFN 89.5550
Albania							
Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 109.89	ALL 104.33	ALL 105.99	ALL 106.16
		M	EUR 1 =	ALL 123.10	ALL 124.09	ALL 124.05	ALL 123.93
Algeria							
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 119.3708	DZD 127.8556	DZD 129.2618	DZD 129.3257
		S	USD 1 =	DZD 119.3858	DZD 127.8706	DZD 129.2768	DZD 129.3407
	DZD	B	EUR 1 =	DZD 133.6219	DZD 152.4678	DZD 151.1587	DZD 150.8714
		S	EUR 1 =	DZD 133.6725	DZD 152.5241	DZD 151.2151	DZD 150.9147
Angola ¹							
Luanda 330	Kwanza = 100 cêntimos AOA	M	USD 1 =	AOA 374.840	AOA 600.245	AOA 620.210	AOA 661.875
		M	EUR 1 =	AOA 419.071	AOA 716.663	AOA 726.173	AOA 773.102
Antigua and Barbuda							
St John's 459	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 3.0094	XCD 3.2097	XCD 3.1473	XCD 3.1447
		V, S	EUR 1 =	XCD 3.0416	XCD 3.2440	XCD 3.1809	XCD 3.1782
Argentina ¹							
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 48.0341	ARS 73.9800	ARS 75.9800	ARS 78.1200
		S	USD 1 =	ARS 48.2341	ARS 74.1800	ARS 76.1800	ARS 78.3200
	ARS	B	EUR 1 =	ARS 53.6198	ARS 88.2581	ARS 88.9650	ARS 90.8848
		S	EUR 1 =	ARS 53.9640	ARS 88.6822	ARS 89.3896	ARS 91.3133
Armenia							
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.30	AMD 487.20	AMD 488.41	AMD 493.60
		M	EUR 1 =	AMD 537.96	AMD 580.55	AMD 571.78	AMD 576.08
Aruba							
Oranjestad 474	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 199.37	AWG 212.56	AWG 208.53	AWG 207.88
		S	EUR 100 =	AWG 201.37	AWG 214.70	AWG 210.62	AWG 209.96

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6952	USD 0.7354	USD 0.7108	USD 0.7044
		M	AUD 1 =	EUR 0.6220	EUR 0.6178	EUR 0.6058	EUR 0.6030
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.7000	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 1.9044	AZN 2.0232	AZN 1.9947 r	AZN 1.9860
Bahamas							
Nassau 453	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 1.11390	BSD 1.18803	BSD 1.16495	BSD 1.16395
		V, S	EUR 1 =	BSD 1.13349	BSD 1.20893	BSD 1.18544	BSD 1.18442
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	2 B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		2 S	USD 1 =	BHD 0.37785	BHD 0.37785	BHD 0.37785	BHD 0.37785
		B	EUR 1 =	BHD 0.4095324	BHD 0.4329010	BHD 0.4381719 v	BHD 0.4307960
S	EUR 1 =	BHD 0.4348643	BHD 0.4596790	BHD 0.4423868 v	BHD 0.4574440		
Bangladesh 1							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 84.4875	BDT 84.8000	BDT 84.8360	BDT 84.8004
		S	USD 1 =	BDT 84.4875	BDT 84.8500	BDT 84.8360	BDT 84.8004
		B	EUR 1 =	BDT 94.4087	BDT 100.9374	BDT 99.6074	BDT 99.5891
		S	EUR 1 =	BDT 94.4389	BDT 101.0309	BDT 99.6648	BDT 99.6163
Barbados							
Bridgetown 469	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 2.22660	BBD 2.36818	BBD 2.33821	BBD 2.32408
		S	EUR 1 =	BBD 2.26834	BBD 2.41258	BBD 2.38205	BBD 2.36765
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0921	BYN 2.6631	BYN 2.6403	BYN 2.6352
		M	EUR 1 =	BYN 2.3430	BYN 3.1668	BYN 3.0840	BYN 3.0778

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Belize							
Belmopan 421	Belize dollar = 100 cents	² B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		² S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	B	EUR 1 =	BZD 2.2193	BZD 2.3671	BZD 2.3243	BZD 2.3156	
	BZD	S	EUR 1 =	BZD 2.2585	BZD 2.4089	BZD 2.3653	BZD 2.3564
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 549.378	XOF 560.264	XOF 560.743
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents	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 1.1150	BMD 1.1892	BMD 1.1661	BMD 1.1651	
	V, S	EUR 1 =	BMD 1.1243	BMD 1.1991	BMD 1.1758	BMD 1.1748	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 69.42	BTN 72.20	BTN 72.70	BTN 73.25
		S	USD 1 =	BTN 71.58	BTN 74.45	BTN 75.00	BTN 75.50
	B	EUR 1 =	BTN 77.58	BTN 85.75	BTN 84.95	BTN 85.80	
	S	EUR 1 =	BTN 79.73	BTN 88.15	BTN 87.30	BTN 88.20	
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz 516	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 7.6777	BOB 8.1908	BOB 8.0317	BOB 8.0248
		V, S	EUR 1 =	BOB 7.7896	BOB 8.3102	BOB 8.1488	BOB 8.1418
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.745661	BAM 1.637382	BAM 1.667186	BAM 1.666900
		S	USD 1 =	BAM 1.754412	BAM 1.645590	BAM 1.675542	BAM 1.675256
	BAM	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0932	USD 0.0871	USD 0.0861	USD 0.0878
		S	BWP 1 =	USD 0.0930	USD 0.0869	USD 0.0859	USD 0.0876
	B	BWP 1 =	EUR 0.0832	EUR 0.0730	EUR 0.0736	EUR 0.0751	
	S	BWP 1 =	EUR 0.0830	EUR 0.0728	EUR 0.0734	EUR 0.0749	

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.9450	BRL 5.4707	BRL 5.6401	BRL 5.7712
		S	USD 1 =	BRL 3.9456	BRL 5.4713	BRL 5.6407	BRL 5.7718
	BRL	B	EUR 1 =	BRL 4.4095	BRL 6.5364	BRL 6.6102	BRL 6.7211
		S	EUR 1 =	BRL 4.4114	BRL 6.5393	BRL 6.6132	BRL 6.7241
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3544	BND 1.3491	BND 1.3586	BND 1.3574
		S	USD 1 =	BND 1.3727	BND 1.3676	BND 1.3774	BND 1.3759
	BND	B	EUR 1 =	BND 1.4998	BND 1.5900	BND 1.5792	BND 1.5684
		S	EUR 1 =	BND 1.5546	BND 1.6461	BND 1.6357	BND 1.6241
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.74707	BGN 1.63805	BGN 1.67051	BGN 1.67194
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 549.378	XOF 560.264	XOF 560.743
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Gitega 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,830.0200	BIF 1,906.8786	BIF 1,912.2840	BIF 1,917.1746
		S	USD 1 =	BIF 1,866.9901	BIF 1,945.4014	BIF 1,950.9160	BIF 1,955.9054
	BIF	B	EUR 1 =	BIF 2,048.8141	BIF 2,270.3297	BIF 2,243.6828	BIF 2,238.8765
		S	EUR 1 =	BIF 2,090.2042	BIF 2,316.1949	BIF 2,289.0098	BIF 2,284.1063
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 98.564	CVE 92.44201	CVE 94.12648	CVE 94.11038
		S	USD 1 =	CVE 98.766	CVE 92.64401	CVE 94.32848	CVE 94.31238
	CVE	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,055	KHR 4,105	KHR 4,100	KHR 4,060
		B	EUR 1 =	KHR 4,538	KHR 4,889	KHR 4,815	KHR 4,780
	S	EUR 1 =	KHR 4,583	KHR 4,938	KHR 4,864	KHR 4,828	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 549.378	XAF 560.264	XAF 560.743
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.3269	CAD 1.3042	CAD 1.3339	CAD 1.3318
		M	EUR 1 =	CAD 1.4807	CAD 1.5573	CAD 1.5631	CAD 1.5533

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Cayman Islands							
George Town 463	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 0.9329	KYD 0.9950	KYD 0.9757	KYD 0.9748
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 549.378	XAF 560.264	XAF 560.743
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména 244	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 549.378	XAF 560.264	XAF 560.743
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago 512	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 704.01	CLP 779.92	CLP 784.46	CLP 770.45
		M	EUR 1 =	CLP 787.30	CLP 927.48	CLP 920.73	CLP 897.65
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.8999	CNY 6.8605	CNY 6.8101	CNY 6.7232
		M	EUR 1 =	CNY 7.7181	CNY 8.1649	CNY 7.9941	CNY 7.8463
		M	HKD 1 =	CNY 0.87996	CNY 0.88520	CNY 0.87872	CNY 0.86722
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.830	TWD 29.285	TWD 29.050	TWD 28.840
		S	USD 1 =	TWD 30.930	TWD 29.385	TWD 29.150	TWD 28.940
		B	EUR 1 =	TWD 34.40	TWD 34.74	TWD 33.95	TWD 33.55
S	EUR 1 =	TWD 34.80	TWD 35.14	TWD 34.35	TWD 33.95		
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,285.734	COP 3,760.38	COP 3,878.94	COP 3,849.53
		V, M	EUR 1 =	COP 3,675.671	COP 4,489.894	COP 4,541.463	COP 4,503.180
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 439.45310	KMF 412.03329	KMF 420.19794	KMF 420.55715
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville 318	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 549.378	XAF 560.264	XAF 560.743
		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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,615.5594	CDF 1,922.9797	CDF 1,921.7338	CDF 1,925.5039
		S	USD 1 =	CDF 1,681.6740	CDF 2,001.4686	CDF 2,000.1719	CDF 2,004.0959
	CDF	B	EUR 1 =	CDF 1,811.0131	CDF 2,286.9349	CDF 2,249.9907	CDF 2,257.6800
		S	EUR 1 =	CDF 1,884.9217	CDF 2,380.2792	CDF 2,341.8270	CDF 2,349.8302
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5759	EUR 0.5723	EUR 0.5785
		S	NZD 1 =	EUR 0.5779	EUR 0.5542	EUR 0.5508	EUR 0.5568
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 582.03	CRC 590.21	CRC 600.45	CRC 604.74
		S	USD 1 =	CRC 588.40	CRC 598.00	CRC 606.68	CRC 612.92
	CRC	V, B	EUR 1 =	CRC 651.7240	CRC 704.7107	CRC 703.0069	CRC 707.4249
		V, S	EUR 1 =	CRC 658.8577	CRC 714.0120	CRC 710.3009	CRC 716.9938
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 549.378	XOF 560.264	XOF 560.743
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb 092	Kuna = 100 lipa	B	USD 1 =	HRK 6.601452	HRK 6.305523	HRK 6.433630	HRK 6.464714
		S	USD 1 =	HRK 6.641180	HRK 6.343469	HRK 6.472348	HRK 6.503618
	HRK	B	EUR 1 =	HRK 7.394331	HRK 7.496635	HRK 7.521556	HRK 7.545613
		S	EUR 1 =	HRK 7.438830	HRK 7.541751	HRK 7.566822	HRK 7.591023
Cuba ¹							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.01009	USD 1.01009	USD 1.01009	USD 1.01009
		⁴ S	CUC 1 =	USD 0.99010	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.10740	CUC 1.17795	CUC 1.16032	CUC 1.15399
		S	EUR 1 =	CUC 1.12978	CUC 1.20175	CUC 1.18378	CUC 1.17731
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cents	⁴ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		⁴ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 199.40	ANG 212.57	ANG 208.53	ANG 207.88
		S	EUR 100 =	ANG 203.42	ANG 216.85	ANG 212.73	ANG 212.07
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 22.934	CZK 21.953	CZK 23.239	CZK 23.296
		M	EUR 1 =	CZK 25.659	CZK 26.210	CZK 27.210	CZK 27.250

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.

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 667.03	DKK 623.44	DKK 635.99	DKK 636.57
		M	EUR 100 =	DKK 746.59	DKK 744.39	DKK 744.62	DKK 744.66
Djibouti							
Djibouti 338	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 196.37	DJF 208.81	DJF 205.92	DJF .
		S	EUR 1 =	DJF 203.98	DJF 216.96	DJF 213.95	DJF .
Dominica							
Roseau 460	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 3.0094	XCD 3.2097	XCD 3.1473	XCD 3.1447
		V, S	EUR 1 =	XCD 3.0416	XCD 3.2440	XCD 3.1809	XCD 3.1782
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 50.9676	DOP 57.7758	DOP 57.7147	DOP 57.6773
		S	USD 1 =	DOP 51.4344	DOP 58.5104	DOP 58.4850	DOP 58.4922
		B	EUR 1 =	DOP 56.4612	DOP 67.8402	DOP 67.2306	DOP 67.3725
		S	EUR 1 =	DOP 59.8316	DOP 71.0987	DOP 70.5558	DOP 70.6592
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 16.7300	EGP 15.82	EGP 15.70	EGP 15.65
		S	USD 1 =	EGP 16.8300	EGP 15.92	EGP 15.80	EGP 15.75
		B	EUR 1 =	EGP 18.7034	EGP 18.8021	EGP 18.3470	EGP 18.2338
		S	EUR 1 =	EGP 18.8934	EGP 19.0085	EGP 18.5729	EGP 18.5189
El Salvador 1							
San Salvador 428	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 9.7956	SVC 10.4475	SVC 10.2445	SVC 10.2358
Equatorial Guinea 1							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 549.378	XAF 560.264	XAF 560.743
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara 336	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 16.7610	ERN 17.7075	ERN 17.4900	ERN 17.5560
		S	EUR 1 =	ERN 17.3972	ERN 18.3437	ERN 18.1262	ERN 18.1922
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B S	USD 1 =	ETB 29.2198	ETB 36.1553	ETB 36.7488	ETB 37.5468
			USD 1 =	ETB 29.8042	ETB 36.8784	ETB 37.4838	ETB 38.2977
	ETB	B S	EUR 1 =	ETB 32.6752	ETB 43.0176	ETB 42.9961	ETB 44.0612
EUR 1 =			ETB 33.3287	ETB 43.8780	ETB 43.8560	ETB 44.9424	
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B S	USD 1 =	SZL 14.4713	SZL 16.9102	SZL 16.9691	SZL 16.3998
			USD 1 =	SZL 14.4789	SZL 16.9160	SZL 16.9794	SZL 16.4115
	SZL	B S	EUR 1 =	SZL 16.19020	SZL 20.0699	SZL 19.9143	SZL 19.1494
EUR 1 =			SZL 16.20051	SZL 20.0800	SZL 19.9270	SZL 19.1652	
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V V	USD 1 =	FKP 0.78407	FKP 0.75046	FKP 0.77925	FKP 0.77114
			EUR 1 =	FKP 0.87777	FKP 0.89605	FKP 0.91235	FKP 0.90208
Fiji							
Suva 815	Fiji dollar = 100 cents	B S	FJD 1 =	USD 0.4715	USD 0.4839	USD 0.4768	USD 0.4754
			FJD 1 =	USD 0.4545	USD 0.4669	USD 0.4598	USD 0.4584
	FJD	B S	FJD 1 =	EUR 0.4194	EUR 0.4049	EUR 0.4043	EUR 0.4055
FJD 1 =			EUR 0.4074	EUR 0.3929	EUR 0.3923	EUR 0.3935	
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Gabon ¹							
Libreville 314	CFA franc XAF	V 3	USD 1 =	XAF 585.937	XAF 549.378	XAF 560.264	XAF 560.743
			EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul 252	Dalasi = 100 bututs GMD	M M	USD 1 =	GMD 50.10	GMD 51.80	GMD 51.78	GMD 51.81
			EUR 1 =	GMD 56.49	GMD 59.73	GMD 59.77	GMD 60.17
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M M	USD 1 =	GEL 2.8241	GEL 3.0696	GEL 3.2878	GEL 3.2327
			EUR 1 =	GEL 3.1620	GEL 3.6243	GEL 3.8415	GEL 3.7732

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 = USD 1 =	GHS 5.2480 GHS 5.2532	GHS 5.6820 GHS 5.6876	GHS 5.6998 GHS 5.7056	GHS 5.7071 GHS 5.7129
		B S	EUR 1 = EUR 1 =	GHS 5.8682 GHS 5.8727	GHS 6.7879 GHS 6.7952	GHS 6.6756 GHS 6.6816	GHS 6.6667 GHS 6.6738
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.78407 GIP 0.87777	GIP 0.75046 GIP 0.89605	GIP 0.77925 GIP 0.91235	GIP 0.77114 GIP 0.90208
Greece							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Grenada							
St George's 473	East Caribbean dollar = 100 cents XCD	³ B ³ S	USD 1 = USD 1 =	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169
		V, B V, S	EUR 1 = EUR 1 =	XCD 3.0094 XCD 3.0416	XCD 3.2097 XCD 3.2440	XCD 3.1473 XCD 3.1809	XCD 3.1447 XCD 3.1782
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.70380 GTQ 8.62411	GTQ 7.72991 GTQ 9.22951	GTQ 7.78602 GTQ 9.11587	GTQ 7.79595 GTQ 9.11970
Guinea							
Conakry 260	Guinean franc GNF	M M	USD 1 = EUR 1 =	GNF 9,192.6286 GNF 10,296.1706	GNF 9,627.7128 GNF 11,471.4159	GNF 9,737.3387 GNF 11,394.6347	GNF 9,750.0000 GNF 11,411.4043
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 585.937 XOF 655.957	XOF 549.378 XOF 655.957	XOF 560.264 XOF 655.957	XOF 560.743 XOF 655.957
Guyana							
Georgetown 488	Guyana dollar = 100 cents GYD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 207.98 GYD 210.45 GYD 232.73 GYD 235.71	GYD 207.98 GYD 210.45 GYD 248.12 GYD 251.28	GYD 207.98 GYD 210.45 GYD 243.36 GYD 246.46	GYD 207.98 GYD 210.45 GYD 242.54 GYD 245.64

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Haiti ¹							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 89.3946	HTG 116.4212	HTG 67.3494 ¹	HTG 63.3625
		V, M	EUR 1 =	HTG 100.0195	HTG 139.0069	HTG 78.8527 ¹	HTG 74.1215
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.5217	HNL 24.5130	HNL 24.4482	HNL 24.3273
		S	USD 1 =	HNL 24.6934	HNL 24.6846	HNL 24.6193	HNL 24.4976
	V, B	EUR 1 =	HNL 27.4496	HNL 29.2685	HNL 28.6240	HNL 28.4581	
	V, S	EUR 1 =	HNL 27.6418	HNL 29.4734	HNL 28.8243	HNL 28.6573	
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.80686	HKD 7.71880	HKD 7.71890	HKD 7.72190
		S	USD 1 =	HKD 7.86088	HKD 7.78120	HKD 7.78130	HKD 7.78430
	B	EUR 1 =	HKD 8.70052	HKD 9.13790	HKD 8.98100	HKD 8.95420	
	S	EUR 1 =	HKD 8.82890	HKD 9.32490	HKD 9.16790	HKD 9.14110	
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 290.65	HUF 297.30	HUF 311.40	HUF 315.04
		M	EUR 1 =	HUF 326.03	HUF 354.06	HUF 364.65	HUF 367.75
Iceland							
Reykjavik 024	Icelandic krona ISK	M	USD 1 =	ISK 122.437	ISK 137.61	ISK 138.54	ISK 140.56
		M	EUR 1 =	ISK 136.860	ISK 164.30	ISK 162.20	ISK 164.33
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 70.4119	INR 73.5951	INR 73.7978	INR 73.9732
		M	EUR 1 =	INR 78.8192	INR 87.5742	INR 86.5688	INR 86.9654
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,070.79	IDR 14,481.23	IDR 14,843.41	IDR 14,616.55
		S	USD 1 =	IDR 14,212.13	IDR 14,626.77	IDR 14,992.59	IDR 14,763.45
	B	EUR 1 =	IDR 15,736.06	IDR 17,242.80	IDR 17,436.55	IDR 17,279.69	
	S	EUR 1 =	IDR 15,897.25	IDR 17,421.95	IDR 17,617.79	IDR 17,459.26	
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	² M	USD 1 =	IRR 42,000	IRR 42,000	IRR 42,000	IRR 42,000
		² M	EUR 1 =	IRR 47,002	IRR 50,037	IRR 49,274	IRR 48,998
		³ M	USD 1 =	IRR 127,350	IRR 236,500	IRR 294,800	IRR 268,000
		³ M	EUR 1 =	IRR 142,808	IRR 281,450	IRR 345,800	IRR 312,950

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month			
					August 2020	September 2020	October 2020	
Iraq ¹								
Baghdad 612	Iraqi dinar = 1,000 fils IQD	2	B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			S	USD 1 =	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00	
		B	S	EUR 1 =	IQD 1,322.806	IQD 1,395.469	IQD 1,383.176	IQD 1,398.542
			S	EUR 1 =	IQD 1,331.759	IQD 1,404.914	IQD 1,392.538	IQD 1,408.008
		3	S	USD 1 =	IQD 1,195.91	IQD 1,215.755	IQD 1,235.187	IQD 1,248.441
V, S	EUR 1 =	IQD 1,338.75	IQD 1,451.61	IQD 1,446.16	IQD 1,460.43			
Ireland								
Dublin 007	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Israel								
Jerusalem 624	New shekel = 100 agorot ILS		M	USD 1 =	ILS 3.5643	ILS 3.3620	ILS 3.4410	ILS 3.4220
			M	EUR 1 =	ILS 3.9816	ILS 4.0126	ILS 4.0258	ILS 3.9938
Italy								
Rome 005	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Jamaica								
Kingston 464	Jamaican dollar = 100 cents JMD	B	S	USD 1 =	JMD 132.5023	JMD 148.3155	JMD 141.2472	JMD 145.9384
			S	USD 1 =	JMD 134.1077	JMD 149.5907	JMD 142.1005	JMD 147.5785
		B	S	EUR 1 =	JMD 143.87390	JMD 170.6822	JMD 160.6718	JMD 166.1186
			S	EUR 1 =	JMD 150.12124	JMD 179.8655	JMD 168.0034	JMD 173.4653
Japan								
Tokyo 732	Japanese yen = 100 sen JPY	B	S	USD 1 =	JPY 107.99	JPY 104.36	JPY 104.80	JPY 103.60
			S	USD 1 =	JPY 109.99	JPY 106.36	JPY 106.80	JPY 105.60
		B	S	EUR 1 =	JPY 120.65	JPY 123.97	JPY 122.67	JPY 120.64
			S	EUR 1 =	JPY 123.65	JPY 126.97	JPY 125.67	JPY 123.64
Jordan								
Amman 628	Jordanian dinar = 1,000 fils JOD	2	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	S	EUR 1 =	JOD 0.79156	JOD 0.84125	JOD 0.82779	JOD 0.83034
			S	EUR 1 =	JOD 0.79615	JOD 0.84774	JOD 0.83461	JOD 0.83759
Kazakhstan								
Nur-Sultan 079	Tenge = 100 tiyn KZT		M	USD 1 =	KZT 382.96	KZT 420.11	KZT 429.51	KZT 432.64
			M	EUR 1 =	KZT 428.91	KZT 499.47	KZT 502.14	KZT 505.02

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month			
					August 2020	September 2020	October 2020	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 102.0469	KES 108.1088	KES 108.3971	KES 108.7188	
		S	USD 1 =	KES 102.2455	KES 108.3088	KES 108.5971	KES 108.9188	
	KES	B	EUR 1 =	KES 114.0250	KES 128.4147	KES 126.7582	KES 127.1335	
		S	EUR 1 =	KES 114.2775	KES 128.6788	KES 127.0294	KES 127.4006	
	Korea, Democratic People's Republic of ¹							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 107.60	.	.	.
S			USD 1 =	KPW 108.67	.	.	.	
KPW		B	EUR 1 =	KPW 120.38	.	.	.	
		S	EUR 1 =	KPW 121.58	.	.	.	
Korea, Republic of								
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,155.48	KRW 1,175.40	KRW 1,157.60	KRW 1,123.40	
		S	USD 1 =	KRW 1,178.07	KRW 1,198.60	KRW 1,180.40	KRW 1,145.60	
	KRW	B	EUR 1 =	KRW 1,291.45	KRW 1,400.76	KRW 1,353.42	KRW 1,311.18	
		S	EUR 1 =	KRW 1,317.53	KRW 1,429.04	KRW 1,380.76	KRW 1,337.66	
Kuwait								
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30219	KWD 0.30400	KWD 0.30490	KWD 0.30435	
		S	USD 1 =	KWD 0.30600	KWD 0.30760	KWD 0.30850	KWD 0.30795	
	KWD	B	EUR 1 =	KWD 0.338360	KWD 0.362596	KWD 0.357221	KWD 0.356150	
		S	EUR 1 =	KWD 0.342626	KWD 0.366890	KWD 0.361439	KWD 0.360363	
Kyrgyzstan								
Bishkek 083	Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 69.7811	KGS 78.4683	KGS 79.6000	KGS 81.8000	
		M	EUR 1 =	KGS 78.1604	KGS 93.4675	KGS 92.9927	KGS 95.4770	
KGS		M	USD 1 =	KGS 69.7811	KGS 78.4683	KGS 79.6000	KGS 81.8000	
		M	EUR 1 =	KGS 78.1604	KGS 93.4675	KGS 92.9927	KGS 95.4770	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,701	LAK 9,095	LAK 9,215	LAK 9,251	
		S	USD 1 =	LAK 8,715	LAK 9,112	LAK 9,232	LAK 9,268	
	LAK	B	EUR 1 =	LAK 9,722	LAK 10,830	LAK 10,822	LAK 10,800	
		S	EUR 1 =	LAK 9,767	LAK 10,881	LAK 10,874	LAK 10,851	
Latvia								
Riga 054	Euro = 100 cent	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698	
EUR								
Lebanon ¹								
Beirut 604	Lebanese pound = 100 piastres	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,688.52	LBP 1,796.04	LBP 1,763.47	LBP 1,760.01	
LBP								
Lesotho ¹								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 14.4518	LSL 16.7763	LSL 16.8021	LSL 16.2352	
		M	EUR 1 =	LSL 16.1709	LSL 20.0234	LSL 19.6744	LSL 18.9992	
LSL								

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 187.22	LRD 198.7368	LRD 198.0309	LRD 180.5962
		S	USD 1 =	LRD 188.53	LRD 199.9281	LRD 199.1869	LRD 182.0047
	LRD	V, B	EUR 1 =	LRD 209.3707	LRD 237.2917	LRD 231.8546	LRD 211.2614
		V, S	EUR 1 =	LRD 210.8311	LRD 238.7142	LRD 233.2080	LRD 212.9091
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3950	LYD 1.3592	LYD 1.3687	LYD 1.3611
		S	USD 1 =	LYD 1.4020	LYD 1.3661	LYD 1.3755	LYD 1.3679
	LYD	B	EUR 1 =	LYD 1.5614	LYD 1.6172	LYD 1.6049	LYD 1.6039
		S	EUR 1 =	LYD 1.5692	LYD 1.6253	LYD 1.6130	LYD 1.6119
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0632	MOP 7.9770	MOP 7.9770	MOP 7.9808
		S	USD 1 =	MOP 8.0857	MOP 7.9995	MOP 7.9995	MOP 8.0033
	MOP	B	EUR 1 =	MOP 9.0205	MOP 9.4984	MOP 9.3355	MOP 9.3176
		S	EUR 1 =	MOP 9.0590	MOP 9.5369	MOP 9.3740	MOP 9.3561
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,618.91	MGA 3,812.25	MGA 3,882.84	MGA 3,897.25
		M	EUR 1 =	MGA 4,047.48	MGA 4,529.40	MGA 4,541.59	MGA 4,545.29
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 730.0152	MWK 741.1074	MWK 743.9296	MWK 747.8537
		S	USD 1 =	MWK 748.8212	MWK 755.9280	MWK 758.8066	MWK 762.8093
	MWK	B	EUR 1 =	MWK 817.1855	MWK 882.3624	MWK 872.1830	MWK 873.4184
		S	EUR 1 =	MWK 838.2581	MWK 900.0079	MWK 889.6249	MWK 890.8850
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0795	MYR 4.1041	MYR 4.0810	MYR 4.0860
		S	USD 1 =	MYR 4.2010	MYR 4.2409	MYR 4.2290	MYR 4.2340
	MYR	B	EUR 1 =	MYR 4.5493	MYR 4.8373	MYR 4.7836	MYR 4.7596
		S	EUR 1 =	MYR 4.7219	MYR 5.0216	MYR 4.9778	MYR 4.9528

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.40	MVR 15.40	MVR 15.37
		V, M	EUR 1 =	MVR 17.21739	MVR 18.38760	MVR 18.03032	MVR 17.97983
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 549.378	XOF 560.264	XOF 560.743
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta 046	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 36.66	MRU 36.85	MRU 36.74	MRU 36.84
		S	USD 1 =	MRU 37.02	MRU 37.22	MRU 37.11	MRU 37.21
		B	EUR 1 =	MRU 41.05	MRU 43.97	MRU 43.03	MRU 43.24
		S	EUR 1 =	MRU 41.46	MRU 44.41	MRU 43.46	MRU 43.68
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1821	MUR 39.2821	MUR 39.4347	MUR 39.5735
		S	USD 1 =	MUR 36.0814	MUR 40.1814	MUR 40.3343	MUR 40.4729
		B	EUR 1 =	MUR 39.2334	MUR 46.6439	MUR 46.1603	MUR 46.1129
		S	EUR 1 =	MUR 40.3539	MUR 47.9328	MUR 47.4376	MUR 47.3872
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2133	MXN 21.8960	MXN 22.0930	MXN 21.2300
		S	USD 1 =	MXN 19.2189	MXN 21.9040	MXN 22.1050	MXN 21.2400
		V, B	EUR 1 =	MXN 21.6387	MXN 26.1438	MXN 25.8665	MXN 24.8349
		V, S	EUR 1 =	MXN 21.6451	MXN 26.1534	MXN 25.8805	MXN 24.8466
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.5804	MDL 16.6223	MDL 16.9565	MDL 17.0377
		M	EUR 1 =	MDL 19.6863	MDL 19.6567	MDL 19.8273	MDL 19.9400
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,666.78	MNT 2,852.94	MNT 2,854.72	MNT 2,851.99
		M	EUR 1 =	MNT 2,985.10	MNT 3,392.86	MNT 3,349.16	MNT 3,329.84
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.6194	MAD 9.1298	MAD 9.2486	MAD 9.1923
		M	EUR 1 =	MAD 10.7721	MAD 10.8946	MAD 10.8310	MAD 10.7890

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 61.93	MZN 70.90	MZN 71.57	MZN 72.51
		S	USD 1 =	MZN 63.14	MZN 72.31	MZN 72.99	MZN 73.96
	MZN	B	EUR 1 =	MZN 69.27	MZN 84.48	MZN 83.84	MZN 84.69
		S	EUR 1 =	MZN 70.63	MZN 86.16	MZN 85.52	MZN 86.39
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,515.79	MMK 1,331.90	MMK 1,308.50	MMK 1,287.40
		M	EUR 1 =	MMK 1,696.96	MMK 1,585.20	MMK 1,532.00	MMK 1,513.80
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.4649	NAD 16.5768	NAD 16.9706	NAD 16.3610
		M	EUR 1 =	NAD 16.1826	NAD 19.7314	NAD 19.9072	NAD 19.1088
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 112.39	NPR 117.12	NPR 117.87	NPR 118.27
		S	USD 1 =	NPR 112.99	NPR 117.72	NPR 118.47	NPR 118.87
	NPR	B	EUR 1 =	NPR 125.65	NPR 139.44	NPR 137.69	NPR 138.81
		S	EUR 1 =	NPR 126.32	NPR 140.15	NPR 138.39	NPR 139.52
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.38	USD 10.01	USD 9.81	USD 9.80
		2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38
New Zealand							
Wellington 804	New Zealand dollar = 100 cents	B	NZD 1 =	USD 0.6742	USD 0.6854	USD 0.6712	USD 0.6763
		S	NZD 1 =	USD 0.6499	USD 0.6597	USD 0.6461	USD 0.6509
	NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5759	EUR 0.5723	EUR 0.5785
		S	NZD 1 =	EUR 0.5779	EUR 0.5542	EUR 0.5508	EUR 0.5568
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 33.1826	NIO 34.5115	NIO 34.5952	NIO 34.6819
		V, M	EUR 1 =	NIO 37.14094	NIO 41.20673	NIO 40.50406	NIO 40.57089

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 585.937	XOF 549.378	XOF 560.264	XOF 560.743
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria ¹							
Abuja 288	Naira = 100 kobo	B	USD 1 =	NGN 305.93	NGN 379.00	NGN 379.00	NGN 379.00
		S	USD 1 =	NGN 306.93	NGN 380.00	NGN 380.00	NGN 380.00
	NGN	B	EUR 1 =	NGN 342.6227	NGN 452.5639	NGN 444.1501	NGN 442.5204
		S	EUR 1 =	NGN 343.7427	NGN 453.7580	NGN 445.3220	NGN 443.6880
North Macedonia							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 54.6710	MKD 51.9960	MKD 52.4582	MKD 52.4491
		S	USD 1 =	MKD 55.2205	MKD 52.5186	MKD 52.9854	MKD 52.9763
	MKD	B	EUR 1 =	MKD 61.2040	MKD 61.3865	MKD 61.3865	MKD 61.3865
		S	EUR 1 =	MKD 61.8191	MKD 62.0035	MKD 62.0035	MKD 62.0035
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.7713	NOK 8.7623	NOK 9.4360	NOK 9.5598
		S	USD 1 =	NOK 8.8400	NOK 8.8343	NOK 9.5080	NOK 9.6318
	NOK	B	EUR 1 =	NOK 9.8140	NOK 10.4378	NOK 11.0752	NOK 11.1665
		S	EUR 1 =	NOK 9.8901	NOK 10.5168	NOK 11.1542	NOK 11.2455
Oman							
Muscat 649	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
	OMR	B	EUR 1 =	OMR 0.4299008	OMR 0.4573440	OMR 0.4483200	OMR 0.4522752
		S	EUR 1 =	OMR 0.4310973	OMR 0.4586120	OMR 0.4495645	OMR 0.4535300
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 150.06	PKR 167.00	PKR 165.90	PKR 160.50
		S	USD 1 =	PKR 150.56	PKR 167.50	PKR 166.40	PKR 161.00
	PKR	B	EUR 1 =	PKR 167.98	PKR 198.92	PKR 194.62	PKR 188.58
		S	EUR 1 =	PKR 168.56	PKR 199.51	PKR 195.21	PKR 189.17
Panama ¹							
Panama City 442	Balboa = 100 centésimos	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
	PAB	V	EUR 1 =	PAB 1.1195	PAB 1.1940	PAB 1.1708	PAB 1.1698
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3026	USD 0.2945	USD 0.2935	USD 0.2935
		S	PGK 1 =	USD 0.2876	USD 0.2795	USD 0.2785	USD 0.2785
	PGK	B	PGK 1 =	EUR 0.2669	EUR 0.2415	EUR 0.2440	EUR 0.2456
		S	PGK 1 =	EUR 0.2519	EUR 0.2265	EUR 0.2290	EUR 0.2306

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 6,237.82	PYG 6,954.39	PYG 6,979.36	PYG 7,021.87
		S	USD 1 =	PYG 6,252.06	PYG 6,962.53	PYG 6,990.35	PYG 7,027.63
	PYG	V, B	EUR 1 =	PYG 6,978.71	PYG 8,303.54	PYG 8,171.43	PYG 8,214.18
		V, S	EUR 1 =	PYG 6,994.63	PYG 8,313.26	PYG 8,184.30	PYG 8,220.92
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.333	PEN 3.542	PEN 3.595	PEN 3.610
		S	USD 1 =	PEN 3.337	PEN 3.547	PEN 3.599	PEN 3.615
	PEN	B	EUR 1 =	PEN 3.690	PEN 4.070	PEN 4.170	PEN 4.137
		S	EUR 1 =	PEN 3.840	PEN 4.359	PEN 4.522	PEN 4.351
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 51.41	PHP 48.30	PHP 48.10	PHP 48.10
		S	USD 1 =	PHP 51.91	PHP 48.80	PHP 48.60	PHP 48.60
	PHP	B	EUR 1 =	PHP 55.8464	PHP 55.6576	PHP 54.9534	PHP 54.6153
		S	EUR 1 =	PHP 59.1191	PHP 58.9892	PHP 58.2467	PHP 57.8918
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.8399	PLN 3.6924	PLN 3.8658	PLN 3.9563
		M	EUR 1 =	PLN 4.3018	PLN 4.3969	PLN 4.5268	PLN 4.6188
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Qatar							
Doha 644	Qatari riyal = 100 dirham QAR	2	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.0748	QAR 4.3462	QAR 4.2617	QAR 4.2581
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.2393	RON 4.0631	RON 4.1617	RON 4.1768
		M	EUR 1 =	RON 4.7509	RON 4.8404	RON 4.8698	RON 4.8743
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 64.6375	RUB 74.6382	RUB 79.6845	RUB 79.3323
		M	EUR 1 =	RUB 72.0631	RUB 88.7448	RUB 93.0237	RUB 92.6284

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 891.345390	RWF 940.503867	RWF 947.337506	RWF 953.722627
		S	USD 1 =	RWF 909.170498	RWF 959.312045	RWF 966.282342	RWF 972.795153
	RWF	B	EUR 1 =	RWF 998.412161	RWF 1,119.481753	RWF 1,111.605829	RWF 1,113.948028
		S	EUR 1 =	RWF 1,018.378388	RWF 1,141.869127	RWF 1,133.835700	RWF 1,136.224739
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound ² = 100 pence SHP	V	USD 1 =	SHP 0.78407	SHP 0.75046	SHP 0.77925	SHP 0.77114
		V	EUR 1 =	SHP 0.87777	SHP 0.89605	SHP 0.91235	SHP 0.90208
Saint Kitts and Nevis							
Basseterre 449	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 3.0094	XCD 3.2097	XCD 3.1473	XCD 3.1447
		V, S	EUR 1 =	XCD 3.0416	XCD 3.2440	XCD 3.1809	XCD 3.1782
Saint Lucia							
Castries 465	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 3.0094	XCD 3.2097	XCD 3.1473	XCD 3.1447
		V, S	EUR 1 =	XCD 3.0416	XCD 3.2440	XCD 3.1809	XCD 3.1782
Saint Vincent and the Grenadines							
Kingstown 467	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 3.0094	XCD 3.2097	XCD 3.1473	XCD 3.1447
		V, S	EUR 1 =	XCD 3.0416	XCD 3.2440	XCD 3.1809	XCD 3.1782
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.37749	USD 0.38393	USD 0.37941	USD 0.37852
		M	WST 1 =	EUR 0.33756	EUR 0.32253	EUR 0.32305	EUR 0.32464
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 21.9193	STN 20.5623	STN 20.9940	STN 20.9330
		S	USD 1 =	STN 22.2481	STN 20.8708	STN 21.3089	STN 21.2470
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh 632	Saudi riyal = 100 halalah SAR	³ M	USD 1 =	SAR 3.75	SAR 3.75	SAR 3.75	SAR 3.75
		M	EUR 1 =	SAR 4.1937	SAR 4.4618	SAR 4.3991	SAR 4.3716

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 585.937	XOF 549.378	XOF 560.264	XOF 560.743
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Serbia							
Belgrade 098	Serbian dinar = 100 para	B	USD 1 =	RSD 104.8908	RSD 98.5035	RSD 99.8701	RSD 100.3126
		S	USD 1 =	RSD 105.5220	RSD 99.0963	RSD 100.4711	RSD 100.9162
	RSD	B	EUR 1 =	RSD 117.4979	RSD 117.2388	RSD 117.2276	RSD 117.2152
		S	EUR 1 =	RSD 118.2050	RSD 117.9444	RSD 117.9330	RSD 117.9206
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.8783	SCR 17.9175	SCR 18.1468	SCR 19.3367
		S	USD 1 =	SCR 14.1605	SCR 18.6899	SCR 18.7448	SCR 20.0038
	SCR	B	EUR 1 =	SCR 15.5377	SCR 21.6899	SCR 21.6397	SCR 22.7893
		S	EUR 1 =	SCR 15.8662	SCR 22.1796	SCR 22.0452	SCR 23.3858
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 8,966.53	SLL 9,702.01	SLL 9,729.96	SLL 9,912.63
		S	USD 1 =	SLL 9,147.67	SLL 9,898.01	SLL 9,926.53	SLL 10,112.89
	SLL	B	EUR 1 =	SLL 10,031.56	SLL 11,544.89	SLL 11,413.68	SLL 11,573.55
		S	EUR 1 =	SLL 10,231.12	SLL 11,776.39	SLL 11,641.51	SLL 11,804.01
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3632	SGD 1.3579	SGD 1.3692	SGD 1.3637
		M	EUR 1 =	SGD 1.5255	SGD 1.6175	SGD 1.6059	SGD 1.5943
Sint Maarten (southern part)							
Philipsburg 479	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
	ANG	B	EUR 100 =	ANG 199.40	ANG 212.57	ANG 208.53	ANG 207.88
		S	EUR 100 =	ANG 203.42	ANG 216.85	ANG 212.73	ANG 212.07
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1223	USD 0.1224	USD 0.1231	USD 0.1233
		M	SBD 1 =	EUR 0.10934	EUR 0.10290	EUR 0.10490	EUR 0.10500

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Somalia ¹							
Mogadishu 342	Somali shilling	M	USD 1 =	.	.	.	.
	SOS	M	EUR 1 =	.	.	.	.
South Africa							
Pretoria Seat of parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 14.2613	ZAR 16.6588	ZAR 16.6138	ZAR 16.0650
		S	USD 1 =	ZAR 14.5788	ZAR 16.9763	ZAR 16.9313	ZAR 16.3825
	ZAR	B	EUR 1 =	ZAR 15.9161	ZAR 19.8529	ZAR 19.4124	ZAR 18.7495
		S	EUR 1 =	ZAR 16.3500	ZAR 20.2937	ZAR 19.8493	ZAR 19.1894
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 158.2581	SSP 164.8969	SSP 167.0289 ²	SSP 173.6006
		M	EUR 1 =	SSP 176.9669	SSP 196.1532	SSP 197.9796 ²	SSP 205.3783
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1940	USD 1.1708	USD 1.1698
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 176.7092	LKR 184.0900	LKR 183.0000	LKR 182.1300
		S	USD 1 =	LKR 180.4863	LKR 188.4900	LKR 187.3200	LKR 186.4500
	LKR	B	EUR 1 =	LKR 196.6569	LKR 218.1091	LKR 213.7154	LKR 212.8676
		S	EUR 1 =	LKR 203.5266	LKR 225.7585	LKR 221.2195	LKR 220.3647
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 45.6250	SDG 55.0000	SDG 55.0000	SDG 55.0000
		S	USD 1 =	SDG 45.8531	SDG 55.2750	SDG 55.2750	SDG 55.2750
	SDG	B	EUR 1 =	SDG 51.0877	SDG 65.4748	SDG 64.5442	SDG 64.8054
		S	EUR 1 =	SDG 51.3431	SDG 65.8021	SDG 64.8669	SDG 65.1294
Suriname ¹							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 7.396	SRD 7.396	SRD 14.018 ¹	SRD 14.018
		S	USD 1 =	SRD 7.520	SRD 7.520	SRD 14.290 ¹	SRD 14.290
	SRD	B	EUR 1 =	SRD 8.266	SRD 8.812	SRD 16.404 ¹	SRD 16.407
		S	EUR 1 =	SRD 8.399	SRD 8.960	SRD 16.722 ¹	SRD 16.725
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 9.4073	SEK 8.5894	SEK 8.9358	SEK 8.8607
		S	USD 1 =	SEK 9.5123	SEK 8.6944	SEK 9.0408	SEK 8.9657
	SEK	B	EUR 1 =	SEK 10.5298	SEK 10.2257	SEK 10.4835	SEK 10.3440
		S	EUR 1 =	SEK 10.6448	SEK 10.3407	SEK 10.5985	SEK 10.4590

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 22 September 2020.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9937	CHF 0.9031	CHF 0.9230	CHF 0.9159
		B	EUR 1 =	CHF 1.1110	CHF 1.0754	CHF 1.0807	CHF 1.0693
Syrian Arab Republic ¹							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 434.50	SYP 1,250.00	SYP 1,250.00	SYP 1,250.00
		S	USD 1 =	SYP 438.17	SYP 1,262.00	SYP 1,262.00	SYP 1,262.00
		B	EUR 1 =	SYP 486.83	SYP 1,487.00	SYP 1,466.00	SYP 1,472.00
		S	EUR 1 =	SYP 490.98	SYP 1,501.87	SYP 1,480.66	SYP 1,486.72
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.5330	TJS 10.3196	TJS 10.3292	TJS 10.3398
		M	EUR 1 =	TJS 10.6743	TJS 12.2968	TJS 12.0893	TJS 12.0707
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,277.1609	TZS 2,286.1881	TZS 2,286.1980	TZS 2,286.2475
		S	USD 1 =	TZS 2,299.9325	TZS 2,309.0500	TZS 2,309.0600	TZS 2,309.1100
		B	EUR 1 =	TZS 2,545.4570	TZS 2,723.5359	TZS 2,676.2234	TZS 2,700.7442
		S	EUR 1 =	TZS 2,571.5823	TZS 2,751.6949	TZS 2,703.6784	TZS 2,728.6753
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 30.8348	THB 30.9242	THB 31.4900	THB 31.0247
		S	USD 1 =	THB 31.1759	THB 31.2506	THB 31.8258	THB 31.3706
		B	EUR 1 =	THB 34.2893	THB 36.6219	THB 36.7782	THB 36.0566
		S	EUR 1 =	THB 34.9954	THB 37.3762	THB 37.5314	THB 36.8093
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 549.378	XOF 560.264	XOF 560.743
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4368	USD 0.4415	USD 0.4332	USD 0.4301
		M	TOP 1 =	EUR 0.3896	EUR 0.3699	EUR 0.3680	EUR 0.3676
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7302	TTD 6.7191	TTD 6.7262	TTD 6.7516
		S	USD 1 =	TTD 6.7710	TTD 6.7523	TTD 6.7990	TTD 6.7977
		B	EUR 1 =	TTD 7.5084	TTD 7.9477	TTD 8.5561	TTD 7.9841
		S	EUR 1 =	TTD 8.0404	TTD 8.4522	TTD 8.3958	TTD 8.5087

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 Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.9209	TND 2.7234	TND 2.7680	TND 2.7695
			USD 1 =	TND 2.9238	TND 2.7262	TND 2.7707	TND 2.7723
	TND	B S	EUR 1 =	TND 3.2721	TND 3.2503	TND 3.2429	TND 3.2362
			EUR 1 =	TND 3.2754	TND 3.2536	TND 3.2462	TND 3.2394
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 5.6666	TRY 7.3050	TRY 7.8080	TRY 8.1211
			USD 1 =	TRY 5.6768	TRY 7.3182	TRY 7.8221	TRY 8.1357
	TRY	B S	EUR 1 =	TRY 6.3544	TRY 8.6897	TRY 9.1281	TRY 9.5974
			EUR 1 =	TRY 6.3659	TRY 8.7054	TRY 9.1446	TRY 9.6147
Turkmenistan ¹							
Ashgabat 080	Turkmen manat = 100 tenge	2 M	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
			EUR 1 =	TMT 3.9183	TMT 4.1661	TMT 4.0915	TMT 4.0845
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,697.34	UGX 3,673.78	UGX 3,710.78	UGX 3,735.78
			USD 1 =	UGX 3,707.34	UGX 3,683.78	UGX 3,720.78	UGX 3,745.78
	UGX	B S	EUR 1 =	UGX 4,132.84	UGX 4,331.26000	UGX 4,320.88961	UGX 4,389.87074
			EUR 1 =	UGX 4,144.01	UGX 4,343.05000	UGX 4,332.53377	UGX 4,401.62162
Ukraine							
Kyiv 072	Hryvnia = 100 kopyok	M M	USD 1 =	UAH 25.8236	UAH 27.4759	UAH 28.2989	UAH 28.4383
			EUR 1 =	UAH 28.9192	UAH 32.7334	UAH 33.1309	UAH 33.2984
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	2 V, M	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
			EUR 1 =	AED 4.1112	AED 4.3850	AED 4.2998	AED 4.2961
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.2766	USD 1.3330	USD 1.2924	USD 1.2933
			EUR 1 =	GBP 0.8743	GBP 0.8925	GBP 0.9072	GBP 0.9006
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.11753	USD 1.1936	USD 1.1718	USD 1.1647
			GBP 1 =	USD 1.27613	USD 1.3369	USD 1.2916	USD 1.2941

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.

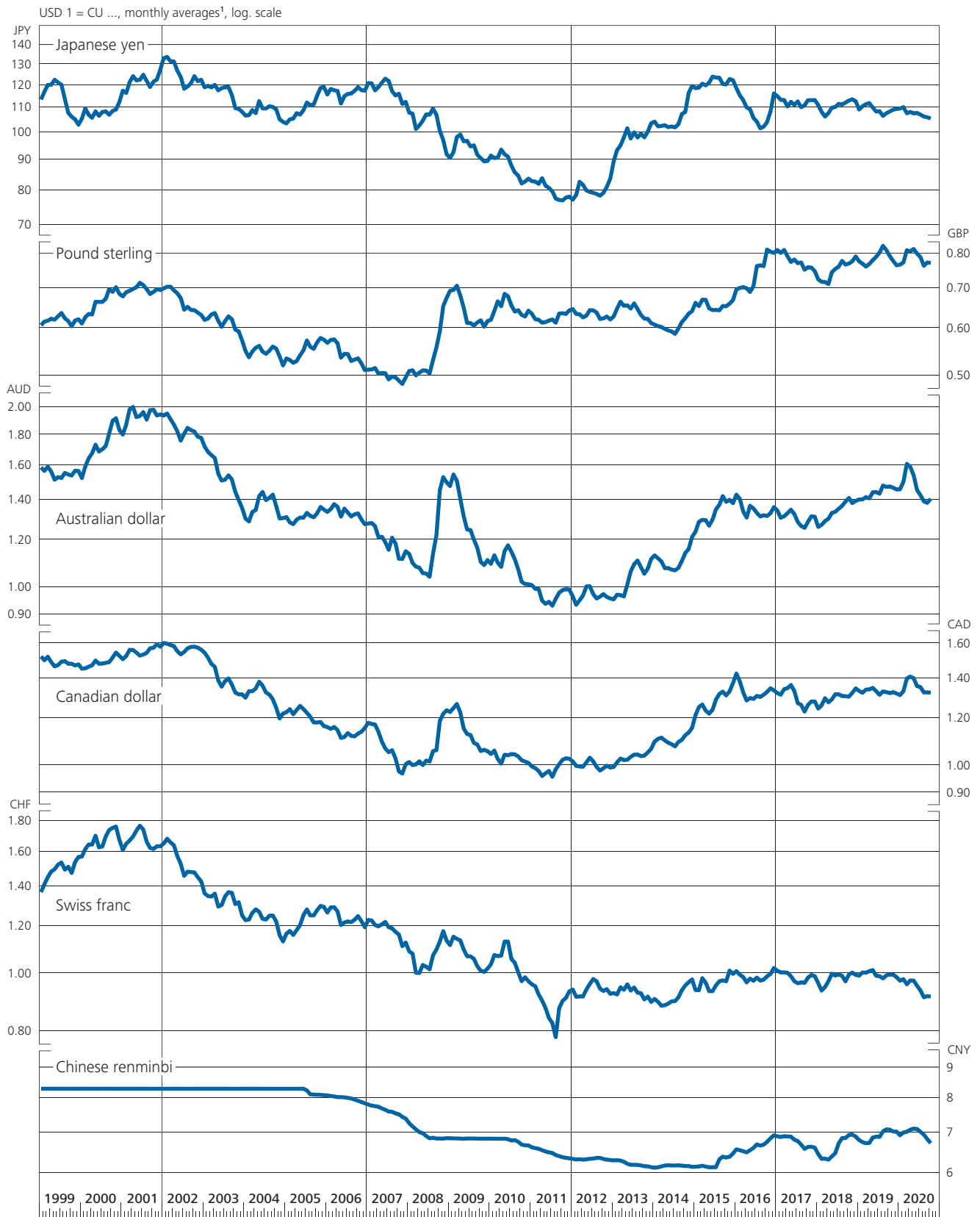
IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					August 2020	September 2020	October 2020
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 35.277	UYU 42.587	UYU 42.575	UYU 43.003
		M	EUR 1 =	UYU 39.4599	UYU 50.8276	UYU 49.9043	UYU 50.0813
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,853.99	UZS 10,262.87	UZS 10,321.21	UZS 10,359.88
		M	EUR 1 =	UZS 9,907.42	UZS 12,105.06	UZS 12,003.57	UZS 12,285.78
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 112.90	VUV 110.10	VUV 111.18	VUV 111.81
		S	USD 1 =	VUV 120.29	VUV 117.10	VUV 118.25	VUV 118.92
		B	EUR 1 =	VUV 127.17	VUV 131.16	VUV 131.55	VUV 131.48
		S	EUR 1 =	VUV 132.41	VUV 136.46	VUV 136.86	VUV 136.79
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	VES 15,870.42	VES 326,929.52	VES 435,585.76	VES 517,784.71
		S	USD 1 =	VES 15,910.20	VES 327,748.89	VES 436,677.45	VES 519,082.41
		B	EUR 1 =	VES 17,630.66	VES 391,027.32	VES 511,639.03	VES 604,663.80
		S	EUR 1 =	VES 17,676.40	VES 392,007.34	VES 512,921.33	VES 606,179.25
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,173	VND 23,090	VND 23,090	VND 23,090
		S	USD 1 =	VND 23,286	VND 23,270	VND 23,270	VND 23,270
		B	EUR 1 =	VND 25,841.32	VND 26,964.72	VND 26,720.52	VND 26,642.93
		S	EUR 1 =	VND 26,611.82	VND 28,056.56	VND 27,802.47	VND 27,721.73
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 250.00	YER 250.00	YER 250.00	YER 250.00
		S	USD 1 =	YER 250.50	YER 250.50	YER 250.50	YER 250.50
		B	EUR 1 =	YER 279.90	YER 297.56	YER 293.39	YER 294.46
		S	EUR 1 =	YER 280.46	YER 298.16	YER 293.97	YER 295.05
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 12.9734	ZMW 19.4824	ZMW 19.9929	ZMW 20.3892
		S	USD 1 =	ZMW 13.0234	ZMW 19.5324	ZMW 20.0429	ZMW 20.4392
		B	EUR 1 =	ZMW 14.5150	ZMW 23.2678	ZMW 23.4057	ZMW 23.8472
		S	EUR 1 =	ZMW 14.5761	ZMW 23.3333	ZMW 23.4663	ZMW 23.9118
Zimbabwe							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 9.49651 ²	ZWL 83.39940	ZWL 81.44390	ZWL 81.35310
		M	EUR 1 =	ZWL 10.51168 ²	ZWL 99.23715	ZWL 95.59490	ZWL 95.00435

IV. Overview of world currencies*

2. Exchange rates of the US dollar against major currencies



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

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

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

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.05657	1.88621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	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	9.6666	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.3977	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	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2019	1.38283	1.23588	9.66184	150.894	1.05386	1.80583	1.34362	9.23156	12.1685	12.8879
2018 Nov.	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
2018 Dec.	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2019 Jan.	1.40070	1.21927	9.39364	152.564	1.06683	1.84108	1.39089	9.10274	11.7810	12.6277
2019 Feb.	1.39798	1.22458	9.35008	155.021	1.05087	1.84099	1.38854	9.13676	11.9112	12.9179
2019 Mar.	1.38825	1.23565	9.33053	153.985	1.05929	1.85512	1.38256	9.22441	11.9351	12.8859
2019 Apr.	1.38576	1.23530	9.34152	154.789	1.06511	1.86011	1.41237	9.22101	11.9426	13.1801
2019 May	1.37762	1.23542	9.51040	150.615	1.09504	1.86351	1.38444	9.22739	12.0966	13.1570
2019 June	1.39021	1.22163	9.54627	149.698	1.09573	1.81937	1.35532	9.11768	11.8422	12.8891
2019 July	1.37542	1.23345	9.46755	149.315	1.13063	1.80840	1.36159	9.21065	12.0604	13.1541
2019 Aug.	1.36834	1.23989	9.77011	145.632	1.12362	1.82130	1.35363	9.24488	12.4460	13.3967
2019 Sep.	1.36331	1.25200	9.71931	147.169	1.10829	1.80543	1.35697	9.34763	12.3889	13.3668
2019 Oct.	1.37939	1.23668	9.70789	150.119	1.06439	1.81528	1.36208	9.23898	12.6784	13.2827
2019 Nov.	1.37290	1.24707	9.65027	149.797	1.06509	1.82294	1.36981	9.31706	12.5979	13.1661
2019 Dec.	1.38283	1.23588	9.66184	150.894	1.05386	1.80583	1.34362	9.23156	12.1685	12.8879
2020 Jan.	1.37695	1.24588	9.56160	150.129	1.04899	1.82212	1.33378	9.31064	12.6947	13.3020
2020 Feb.	1.37328	1.25105	9.61381	150.237	1.06605	1.84418	1.32679	9.34824	12.9970	13.2864
2020 Mar.	1.36480	1.24571	9.68007	148.354	1.10416	1.93624	1.31758	9.30215	14.3382	13.7532
2020 Apr.	1.36640	1.25635	9.63902	145.631	1.09225	1.90066	1.32602	9.37040	14.0510	13.4540
2020 May	1.37202	1.23206	9.80488	146.998	1.11329	1.89160	1.31940	9.18400	13.2914	12.9906
2020 June	1.37570	1.22852	9.72356	148.190	1.12114	1.87480	1.30760	9.15566	13.4056	12.8614
2020 July	1.41307	1.19266	9.87099	147.736	1.07556	1.89408	1.28356	8.87847	12.8000	12.2281
2020 Aug.	1.41891	1.18837	9.72819	149.511	1.06618	1.85055	1.28376	8.84603	12.4244	12.2621
2020 Sep.	1.40757	1.20223	9.58359	148.907	1.09688	1.87756	1.29778	8.95207	13.3458	12.6517
2020 Oct.	1.41164	1.20674	9.45555	147.629	1.08722	1.88002	1.29370	8.98610	13.3876	12.5822
2020 Sep. 28	1.40659	1.20531	9.59849	148.241	1.09021	1.88174	1.30258	8.97465	13.3283	12.8181
2020 Sep. 29	1.40728	1.20259	9.59803	148.425	1.09392	1.88448	1.29814	8.95464	13.2938	12.7218
2020 Sep. 30	1.40757	1.20223	9.58359	148.907	1.09688	1.87756	1.29778	8.95207	13.3458	12.6517
2020 Oct. 1	1.41052	1.20024	.	148.867	1.09884	1.87487	1.29507	8.93232	13.0914	12.6095
2020 Oct. 2	1.41008	1.20212	.	148.848	1.09215	1.87682	1.29868	8.94542	13.1078	12.5819
2020 Oct. 5	1.41191	1.19979	.	149.070	1.09049	1.87347	1.29395	8.92642	13.0604	12.5834
2020 Oct. 6	1.41294	1.19792	.	149.278	1.09238	1.87526	1.29292	8.91345	13.0097	12.5710
2020 Oct. 7	1.41119	1.19897	.	149.092	1.09688	1.87335	1.29476	8.92276	13.1062	12.6183
2020 Oct. 8	1.41151	1.19975	.	149.620	1.09415	1.86601	1.29591	8.92889	13.0819	12.5163
2020 Oct. 9	1.41460	1.19932	9.49947	149.890	1.09358	1.85821	1.29075	8.92554	13.0273	12.5199
2020 Oct. 13	1.41467	1.20020	9.54973	149.064	1.08342	1.85789	1.28856	8.93336	12.9529	12.4756
2020 Oct. 14	1.41170	1.20144	9.51384	148.835	1.09007	1.85483	1.29142	8.94334	13.0017	12.4709
2020 Oct. 15	1.41152	1.20663	9.49541	148.548	1.08951	1.86743	1.28977	8.98077	13.2341	12.7594
2020 Oct. 16	1.41137	1.20209	9.45796	148.546	1.09502	1.86188	1.29056	8.94598	13.1713	12.5052
2020 Oct. 19	1.41464	1.20037	9.48020	149.089	1.08856	1.86237	1.28888	8.93200	13.1404	12.4969
2020 Oct. 20	1.41587	1.19887	9.46333	149.473	1.09291	1.86017	1.28497	8.92268	13.1514	12.5144
2020 Oct. 21	1.42020	1.19828	9.44760	149.448	1.08669	1.86359	1.28336	8.91902	13.0989	12.3907
2020 Oct. 22	1.41867	1.20012	9.45680	148.492	1.08283	1.86441	1.28751	8.92993	13.1204	12.3938
2020 Oct. 23	1.41961	1.19737	9.47149	148.661	1.08574	1.86536	1.28403	8.90932	13.0727	12.4427
2020 Oct. 26	1.41723	1.19911	9.49091	148.639	1.08558	1.87088	1.28514	8.92284	13.1261	12.4384
2020 Oct. 27	1.41765	1.19815	9.51348	148.556	1.08624	1.86620	1.28723	8.91488	12.9877	12.4097
2020 Oct. 28	1.41319	1.20507	9.48605	147.282	1.09101	1.87982	1.28819	8.96990	13.2188	12.3989
2020 Oct. 29	1.41199	1.20642	9.46853	147.398	1.09101	1.88486	1.28851	8.98319	13.4509	12.5115
2020 Oct. 30	1.41164	1.20674	9.45555	147.629	1.08722	1.88002	1.29370	8.98610	13.3876	12.5822
2020 Nov. 2	1.40972	1.20986	9.44180	147.654	1.09222	1.86887	1.29314	9.00795	13.4448	12.5888
2020 Nov. 3	1.41284	1.20735	9.45546	.	1.08777	1.85718	1.29233	8.99022	13.2933	12.5456
2020 Nov. 4	1.41340	1.20587	9.49217	148.266	1.08540	1.85693	1.28931	8.97964	13.2143	12.5389
2020 Nov. 5	1.41964	1.19750	9.42694	148.040	1.08597	1.85277	1.28797	8.91742	12.9930	12.4291
2020 Nov. 6	1.42431	1.19993	9.43281	147.687	1.08474	1.85717	1.28217	8.93855	13.1035	12.3937
2020 Nov. 9	1.42490	1.19911	9.36014	147.235	1.08201	1.84809	1.28348	8.93041	12.8426	12.2899
2020 Nov. 10	1.42002	1.20259	9.39091	149.244	1.07058	1.84844	1.30031	8.95263	12.8218	12.2408
2020 Nov. 11	1.41811	1.20526	9.37040	149.100	1.06878	.	1.30225	8.97094	12.8689	12.2447
2020 Nov. 12	1.41909	1.20353	9.41026	149.402	1.07846	1.86227	1.29797	8.96138	12.9570	12.2534
2020 Nov. 13	1.41982	1.20170	9.39417	148.967	1.07823	1.86663	1.29942	8.94879	12.9932	12.2753
2020 Nov. 16	1.42154	1.20164	9.35034	148.807	1.07656	1.86008	1.29915	8.94983	12.8948	12.2878

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 2019

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

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2019, Table 2, 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 members participate in the Eastern Caribbean

Currency Union. ³ The country maintains a de facto exchange rate anchor to a composite. ⁴ The member participates in ERM II. ⁵ The members participate in the West African Economic and Monetary Union. ⁶ The members participate in the Central African Economic and Monetary Community. ⁷ The country maintains a de facto

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 2019

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	US dollar	Euro	Exchange rate anchor Composite	Other			
Crawl-like arrangement	Liberia		Singapur		Algeria ⁷ Bangladesh ⁷ Burundi ⁷ Ethiopia ⁷ Papua New Guinea ⁷ Rwanda ⁷ Tanzania, United Republic of ⁷	Dominican Republic ⁷ Paraguay ⁷	Haiti ⁷ Lao People's Democratic Republic ⁷ Mauritania ⁷ Sri Lanka ^{7,11} South Sudan ^{7,8} Tunisia ^{10,11} Uzbekistan ^{7,9,11}
Pegged exchange rate within horizontal bands							Tonga ³
Other managed arrangement	Cambodia		Syrian Arab Republic		Afghanistan Angola China Gambia Myanmar Sierra Leone		Kenya ¹¹ Mongolia ^{8,9,11} Pakistan ⁸ Vanuatu Venezuela, Bolivarian Republic of
Floating					Argentina Belarus Madagascar Seychelles Zimbabwe	Albania Brazil Colombia Costa Rica Czechia Georgia Ghana Hungary Iceland India Indonesia Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Peru Philippines South Africa Thailand Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Mozambique ¹¹ Switzerland Zambia
Free floating						Australia Canada Chile Japan Mexico Norway Poland Russian Federation Sweden United Kingdom	Somalia ¹² United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

exchange rate anchor to the US dollar. ⁸ The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. ⁹ The exchange rate arrangement was reclassified twice during this reporting period. ¹⁰ The country maintains a de facto exchange rate

anchor to the euro. ¹¹ The central bank is in transition toward inflation targeting. ¹² 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	CUC	Convertible peso	Cuba ¹	GMD	Dalasi	Gambia
AFN	Afghani	Afghanistan	CUP	Cuban peso	Cuba	GNF	Guinean franc	Guinea
ALL	Albanian lek	Albania	CVE	Cabo Verde escudo	Cabo Verde	GTQ	Quetzal	Guatemala
AMD	Armenian dram	Armenia	CZK	Czech koruna	Czechia	GYP	Guyana dollar	Guyana
ANG	Netherlands Antillean guilder	Curaçao Sint Maarten (southern part)	DJF	Djibouti franc	Djibouti	HKD	Hong Kong dollar	Hong Kong
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HNL	Lempira	Honduras
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HRK	Kuna	Croatia
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HTG	Gourde	Haiti
AWG	Aruban florin	Aruba	EGP	Egyptian pound	Egypt	HUF	Hungarian forint	Hungary
AZN	Azerbaijan manat	Azerbaijan	ERN	Nakfa	Eritrea	IDR	Indonesian rupiah	Indonesia
BAM	Convertible marka	Bosnia and Herzegovina	ETB	Birr	Ethiopia	ILS	New shekel	Israel
BBD	Barbados dollar	Barbados	EUR	Euro	Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain	INR	Indian rupee	India Bhutan
BDT	Taka	Bangladesh			Åland Islands Andorra (French) Guiana Guadeloupe Martinique Mayotte Monaco Montenegro Réunion Saint Pierre and Miquelon Saint Barthélemy Saint Martin (northern part) San Marino Vatican City	IQD	Iraqi dinar	Iraq
BGN	Bulgarian lev	Bulgaria				IRR	Iranian rial	Iran, Islamic Republic of
BHD	Bahraini dinar	Bahrain				ISK	Icelandic krona	Iceland
BIF	Burundi franc	Burundi				JMD	Jamaican dollar	Jamaica
BMD	Bermudian dollar	Bermuda				JOD	Jordanian dinar	Jordan
BND	Brunei dollar	Brunei Darussalam				JPY	Japanese yen	Japan
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
			FJD	Fiji dollar	Fiji	KYD	Cayman Islands dollar	Cayman Islands
CAD	Canadian dollar	Canada	FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	KZT	Tenge	Kazakhstan
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 and Lithuania on 1 January 2015 (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 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016. 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/Frameworkfortheeuroforeignexchangerate-reference-rates.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 ECB 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 Classification (EBOPS) – Total EBOPS services) and also reflect third-market effects.

The table entitled "Overall trade weights for the effective exchange rates (EER) of the euro" on page 49 shows trading partners' membership of the EER-19 and EER-42 groups 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?f184ad85cc2c5ccefcd05680706893cde>).

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

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

Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro (see Deutsche Bundesbank, Monthly Report, November 2001, p. 50 ff., May 2007, p. 31 ff. and August 2017, p. 41 ff.).

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

The group of 26 selected industrialised countries comprises the respective composition of euro area countries (see Table I. 1., p. 7) as well as Canada, Denmark, Japan, Norway, Sweden, Switzerland, the United Kingdom and the United States.

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

Figures in %

As of July 2020

Trading partner	Calculation period for weights ¹											
	EER-19						EER-42					
	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018
	Period of use of weights ¹											
	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016
EER-42 group							100	100	100	100	100	100
EER-19 group	100	100	100	100	100	100						
Australia	1.00	0.90	1.04	1.14	1.04	1.01	0.82	0.75	0.82	0.89	0.82	0.80
Bulgaria	0.27	0.31	0.63	0.59	0.63	0.67	0.22	0.26	0.50	0.46	0.49	0.53
Canada	1.84	1.95	1.89	1.86	1.80	1.76	1.51	1.61	1.50	1.45	1.42	1.39
China	4.13	4.86	13.65	16.69	17.48	17.55	3.38	4.01	10.83	13.05	13.76	13.88
Croatia	0.66	0.55	0.75	0.59	0.58	0.64	0.54	0.45	0.60	0.46	0.45	0.51
Czechia	2.37	2.52	4.34	4.35	4.24	4.57	1.94	2.08	3.45	3.40	3.33	3.62
Denmark	3.14	2.81	2.92	2.51	2.42	2.36	2.57	2.33	2.32	1.96	1.91	1.86
Hong Kong	3.63	3.30	2.61	2.58	2.56	2.26	2.96	2.73	2.07	2.02	2.01	1.79
Hungary	1.62	2.17	2.86	2.61	2.68	2.81	1.32	1.79	2.27	2.04	2.11	2.22
Japan	10.01	9.05	6.23	5.86	4.81	4.86	8.18	7.47	4.94	4.59	3.78	3.85
Korea, Republic of	2.86	2.56	3.29	3.21	3.07	2.98	2.33	2.11	2.61	2.51	2.42	2.36
Norway	1.69	1.59	1.73	1.59	1.44	1.27	1.38	1.31	1.37	1.24	1.14	1.00
Poland	2.59	2.95	5.53	5.71	5.94	6.48	2.12	2.43	4.39	4.47	4.67	5.13
Romania	0.71	0.80	1.83	1.87	2.09	2.33	0.58	0.66	1.45	1.46	1.65	1.84
Singapore	2.39	2.06	2.06	2.21	2.07	2.17	1.95	1.70	1.64	1.73	1.63	1.72
Sweden	5.11	4.89	4.45	4.30	4.09	3.91	4.17	4.03	3.53	3.36	3.22	3.10
Switzerland	9.70	8.60	8.15	8.33	7.81	7.35	7.92	7.10	6.46	6.51	6.14	5.82
United Kingdom	22.91	22.40	17.07	15.53	15.74	15.09	18.72	18.49	13.55	12.14	12.39	11.94
United States	23.37	25.73	18.97	18.47	19.51	19.93	19.09	21.24	15.05	14.44	15.35	15.77
Additional countries in the EER-42 group												
Algeria							0.36	0.32	0.40	0.39	0.40	0.30
Argentina							0.53	0.50	0.35	0.44	0.36	0.34
Brazil							1.28	1.24	1.43	1.58	1.39	1.16
Chile							0.34	0.30	0.41	0.40	0.32	0.27
China (Taiwan)							1.82	1.88	1.26	1.28	1.16	1.22
Colombia							0.21	0.17	0.19	0.20	0.20	0.18
Iceland							0.07	0.08	0.10	0.09	0.09	0.11
India							1.13	1.16	2.27	2.64	2.64	2.84
Indonesia							0.81	0.61	0.54	0.64	0.62	0.62
Israel							1.04	1.04	0.75	0.79	0.84	0.91
Malaysia							1.13	1.01	0.95	0.96	0.92	0.87
Mexico							0.76	1.07	1.04	1.13	1.20	1.32
Morocco							0.53	0.60	0.66	0.64	0.66	0.72
New Zealand							0.17	0.13	0.14	0.14	0.15	0.15
Peru							0.13	0.10	0.12	0.15	0.15	0.16
Philippines							0.36	0.45	0.34	0.33	0.39	0.42
Russian Federation							2.29	1.75	3.11	3.34	3.08	2.56
Saudi Arabia							0.46	0.42	0.66	0.68	0.80	0.75
South Africa							0.88	0.82	0.89	0.84	0.75	0.71
Thailand							1.13	0.89	0.95	0.99	1.05	1.16
Turkey							2.00	2.09	2.59	2.66	2.68	2.59
Ukraine							0.43	0.36	0.66	0.60	0.44	0.41
United Arab Emirates							0.44	0.46	0.84	0.91	1.02	1.10

^o Weights based on trade in goods and services. Figures have been rounded. In addition, the ECB publishes weighting schemes and indicators for a group of 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.

The group of 37 countries comprises the euro area countries and the countries of the EER-19 group; the group of 60 countries consists of the euro area countries as well as the countries of the EER-42 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 and its abbreviation, 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.

The numerical country code is based on the list of countries for foreign trade and payments statistics of the Federal Republic of Germany, which can be found on the Deutsche Bundesbank's website under Service / Reporting systems / External sector / Code lists.

■ Value of the special drawing right

With the introduction of the Chinese renminbi on 1 October 2016, the value of an SDR (ISO code XDR) is defined as the sum of the values of fixed amounts of five currencies.

The composition of the currency basket as well as the weight and amounts of the currency units in the basket are reviewed every five years. In the most recently concluded review (November 2015), the Executive Board of the IMF decided that the Chinese renminbi will be in-

cluded in the SDR basket as the fifth currency. With effect from 1 October 2016, the SDR basket comprises the five fixed currency amounts shown in column (a). These were fixed on 30 September 2016 on the basis of the average exchange rates in the London spot exchange market in the third quarter of 2016 and of the initial new percentage weights (column (b)) such that, on 30 September 2016, 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/2016/12/31/Review-of-the-Method-of-Valuation-of-the-SDR-Amendment-to-Rule-O-1-PP5065>).

	(a)	(b)
US dollar	0.58252	41.73
Euro	0.38671	30.93
Chinese yuan renminbi	1.0174	10.92
Japanese yen	11.900	8.33
Pound sterling	0.085946	8.09

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 reference exchange 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 incor-

porated 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 2019 (see Table VI., pp. 44-45) is based on the IMF’s “Annual Report on Exchange Arrangements and Exchange Restrictions 2019”, which can be purchased from the IMF (<http://www.imfbookstore.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 deter-

mined 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 nor-

mally 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

Angola

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

Argentina

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

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

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

The Administración Federal de Ingresos Públicos (AFIP) has been levying an additional tax of 35% on the same transactions since 16 September 2020.

In addition, there are said to be significantly different black market prices.

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 (UEMOA = Union Économique et Monétaire Ouest Africaine). The responsible monetary authority is the Banque Centrale des Etats de l'Afrique de l'Ouest, whose CFA franc (F.CFA = Franc de la Communauté Financière Africaine) is legal tender only in the aforementioned countries.

Bhutan

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

Brunei Darussalam

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

Burkina Faso

See Explanatory notes on Benin.

Cameroon

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

Alongside the convertible peso (CUC), which is primarily intended for use by foreigners, there is the Cuban peso (CUP), which is generally used to pay wages and salaries.

In its national accounts, the Cuban government has set the CUC to CUP exchange rate at 1:1. In reality, Cuban pesos can only be exchanged for convertible pesos at a considerable discount.

With effect from 18 March 2005, the Cuban central bank decreed (Acuerdo no 13/2005) that the exchange rate for currency conversion by individuals would be as follows.

The government foreign exchange bureaus (CADECA – casas de cambio) will pay CUP 24 per CUC or USD. Individuals wanting to purchase CUC must, as of that date, pay CUP 25 per CUC.

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.

Haiti

In September, the gourde appreciated strongly. Calculated using the exchange rates from the end of August and the end of September 2020, the gourde appreciated by 72.9% against the US dollar and by 76.3% against the euro.

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.

Iraq

The official exchange rate applies only to foreign exchange transactions between the central bank and domestic and foreign commercial banks, public sector institutions, money transfer institutions and foreign exchange bureaux.

Kenya

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

Korea, Democratic People’s Republic of

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

Lebanon

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

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

Alongside the official published reference exchange rates, there are bureau de change rates, which deviate. According to financial information providers, the bureau de change rate was approximately 460 Naira to the US dollar at the middle of September 2020.

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.

Suriname

With effect from 22 September 2020, the exchange rates (buying/selling) between the Suriname dollar and the US dollar of USD 1 = SRD 7.396/ 7.520 were changed to USD 1 = SRD 14.018 / 14.290; this corresponds to a depreciation of the Suriname dollar vis-à-vis the US dollar of 47.3% (calculated on the basis of the middle rates).

For the euro, the most recent exchange rates (buying/selling) before and after the change which were known to us were

21 September 2020	EUR 1 = SRD 8.752 / 8.899
22 September 2020	EUR 1 = SRD 16.524 / 16.844.

Syrian Arab Republic

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

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.