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	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON	Sweden Swedish krona SEK
2023 Sep.	1.9558	24.339	7.4571	389.50	4.6283	4.9735	11.5325
Oct.	1.9558	24.558	7.4647	382.13	4.4405	4.9659	11.8275
Nov.	1.9558	24.292	7.4548	380.75	4.3490	4.9718	11.4308
Dec.	1.9558	24.724	7.4529	382.80	4.3395	4.9756	11.0960
2024 Jan.	1.9558	24.891	7.4550	384.90	4.3330	4.9758	11.2682
Feb.	1.9558	25.363	7.4540	393.48	4.3208	4.9706	11.2150
Mar.	1.9558	25.305	7.4580	395.26	4.3123	4.9735	11.5250
Apr.	1.9558	25.140	7.4583	390.68	4.3178	4.9759	11.7530
May	1.9558	24.709	7.4588	388.83	4.2645	4.9767	11.4210
June	1.9558	25.025	7.4575	395.10	4.3090	4.9773	11.3595
July	1.9558	25.457	7.4621	395.78	4.2908	4.9749	11.6125
Aug.	1.9558	25.031	7.4589	392.53	4.2763	4.9768	11.3355
Sep.	1.9558	25.184	7.4560	396.88	4.2788	4.9753	11.3000
2024 Sep. 16	1.9558	25.128	7.4621	393.83	4.2708	4.9744	11.3195
17	1.9558	25.125	7.4621	394.68	4.2683	4.9738	11.3245
18	1.9558	25.070	7.4613	394.25	4.2700	4.9749	11.3240
19	1.9558	25.081	7.4592	394.55	4.2658	4.9744	11.3175
20	1.9558	25.078	7.4590	393.68	4.2763	4.9745	11.3810
23	1.9558	25.098	7.4581	394.68	4.2750	4.9742	11.3620
24	1.9558	25.155	7.4571	394.70	4.2665	4.9756	11.2935
25	1.9558	25.123	7.4575	395.03	4.2643	4.9760	11.3110
26	1.9558	25.159	7.4572	395.95	4.2710	4.9759	11.3000
27	1.9558	25.158	7.4570	396.95	4.2738	4.9764	11.2730
30	1.9558	25.184	7.4560	396.88	4.2788	4.9753	11.3000
Oct. 1	1.9558	25.272	7.4578	397.83	4.2853	4.9759	11.3145
2	1.9558	25.316	7.4593	399.53	4.2950	4.9763	11.3495
3	1.9558	25.357	7.4595	401.43	4.3058	4.9766	11.3610
4	1.9558	25.347	7.4579	401.33	4.3145	4.9769	11.3375
7	1.9558	25.346	7.4572	402.08	4.3215	4.9778	11.3660
8	1.9558	25.313	7.4579	400.55	4.3083	4.9773	11.3490
9	1.9558	25.348	7.4586	399.90	4.2978	4.9759	11.3620
10	1.9558	25.317	7.4592	400.40	4.3048	4.9756	11.3655
11	1.9558	25.293	7.4610	400.85	4.2898	4.9749	11.3540

Period	Other European and non-European countries						
	Australia Australian dollar AUD	Brazil Brazilian real BRL	Canada Canadian dollar CAD	China Yuan (renminbi) CNY	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK	India Indian rupee INR
2023 Sep.	1.6339	5.3065	1.4227	7.7352	8.2959	144.90	88.0165
Oct.	1.6739	5.3743	1.4712	7.7686	8.3079	147.50	88.4195
Nov.	1.6542	5.3984	1.4870	7.8008	8.5384	150.70	91.1143
Dec.	1.6263	5.3618	1.4642	7.8509	8.6314	150.50	91.9045
2024 Jan.	1.6468	5.3749	1.4558	7.7789	8.4734	148.30	90.0010
Feb.	1.6684	5.4054	1.4719	7.7888	8.4735	149.30	89.7458
Mar.	1.6607	5.4032	1.4672	7.8144	8.4594	150.30	90.1365
Apr.	1.6423	5.4928	1.4672	7.7609	8.3817	150.30	89.4155
May	1.6315	5.6418	1.4804	7.8577	8.4838	149.10	90.5255
June	1.6079	5.8915	1.4670	7.7748	8.3594	148.90	89.2495
July	1.6635	6.0874	1.4977	7.8194	8.4589	149.90	90.6250
Aug.	1.6301	6.2155	1.4941	7.8585	8.6455	152.90	92.9485
Sep.	1.6166	6.0504	1.5133	7.8511	8.6933	150.70	93.8130
2024 Sep. 16	1.6492	6.1772	1.5109	7.8953	8.6723	152.50	93.3020
17	1.6472	6.1236	1.5134	7.9046	8.6796	152.30	93.3050
18	1.6400	6.0942	1.5117	7.8797	8.6692	152.30	93.1315
19	1.6352	6.0240	1.5110	7.8827	8.6952	152.50	93.3250
20	1.6388	6.0570	1.5148	7.8776	8.7022	152.30	93.2740
23	1.6274	6.1976	1.5065	7.8438	8.6576	151.70	92.8955
24	1.6237	6.1370	1.5033	7.8290	8.6668	151.70	93.1510
25	1.6276	6.1104	1.5044	7.8692	8.7160	150.50	93.5750
26	1.6217	6.0372	1.5025	7.8213	8.6773	150.50	93.2970
27	1.6180	6.0668	1.5036	7.8230	8.6737	150.70	93.3840
30	1.6166	6.0504	1.5133	7.8511	8.6933	150.70	93.8130
Oct. 1	1.6040	6.0377	1.4986	7.7807	8.6181	149.90	92.9310
2	1.6048	5.9961	1.4932	7.7702	8.5947	149.90	92.9790
3	1.6124	6.0304	1.4945	7.7477	8.5734	149.30	92.7230
4	1.6121	6.0570	1.4952	7.7407	8.5629	149.10	92.6095
7	1.6155	5.9720	1.4914	7.7077	8.5291	148.50	92.2458
8	1.6293	6.0528	1.4981	7.7449	8.5370	148.50	92.2065
9	1.6283	6.0743	1.4985	7.7435	8.5176	148.70	91.9995
10	1.6276	6.1061	1.5031	7.7376	8.4960	148.50	91.7985
11	1.6233	6.0886	1.5063	7.7282	8.5001	149.10	91.9575

* 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 ...

Period	Other European and non-European countries (cont´d)							
	Indonesia Indonesian rupiah IDR	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
2023 Sep.	16,383.62	4.0472	158.10	1,425.26	4.9741	18.5030	1.7575	11.2535
Oct.	16,868.28	4.2756	160.30	1,434.66	5.0594	19.1551	1.8224	11.8735
Nov.	16,981.14	4.0597	161.19	1,418.78	5.0933	19.0235	1.7762	11.7200
Dec.	17,079.71	3.9993	156.33	1,433.66	5.0775	18.7231	1.7504	11.2405
2024 Jan.	17,076.29	3.9431	160.19	1,444.63	5.1259	18.5817	1.7705	11.3510
Feb.	17,038.18	3.8736	162.53	1,447.43	5.1375	18.4969	1.7807	11.4920
Mar.	17,157.87	3.9799	163.45	1,458.67	5.1168	17.9179	1.8092	11.6990
Apr.	17,422.11	4.0172	168.27	1,479.67	5.1130	18.1895	1.8035	11.8150
May	17,641.72	4.0342	170.52	1,501.11	5.1080	18.4387	1.7696	11.3830
June	17,487.21	4.0200	171.94	1,474.86	5.0501	19.5654	1.7601	11.3965
July	17,634.43	4.0822	162.76	1,485.96	4.9749	20.3317	1.8289	11.8175
Aug.	17,180.03	4.0245	161.19	1,478.60	4.7901	21.7581	1.7709	11.6620
Sep.	16,975.88	4.1491	159.82	1,469.11	4.6167	21.9842	1.7616	11.7645
2024 Sep. 16	17,095.99	4.1641	155.66	1,467.42	4.7858	21.4029	1.7958	11.7800
17	17,082.55	4.1808	156.71	1,467.66	4.7441	21.5290	1.7965	11.7885
18	17,032.01	4.1916	157.94	1,473.65	4.7210	21.2402	1.7877	11.7753
19	16,924.49	4.1899	159.53	1,481.57	4.6967	21.3910	1.7845	11.6678
20	16,929.55	4.2077	161.08	1,491.51	4.6953	21.6089	1.7919	11.7330
23	16,886.09	4.2010	159.58	1,486.62	4.6733	21.5915	1.7770	11.6860
24	16,896.39	4.1947	160.14	1,485.87	4.6246	21.5748	1.7707	11.6120
25	16,922.87	4.2050	161.49	1,489.46	4.6242	21.7426	1.7725	11.6840
26	16,878.63	4.1132	160.78	1,478.62	4.6237	21.8299	1.7691	11.7865
27	16,859.24	4.1296	159.63	1,462.76	4.6027	21.8374	1.7649	11.7575
30	16,975.88	4.1491	159.82	1,469.11	4.6167	21.9842	1.7616	11.7645
Oct. 1	16,847.95	4.1262	159.37	1,463.99	4.6168	21.8444	1.7548	11.7305
2	16,913.83	4.1917	160.26	1,462.53	4.6205	21.6083	1.7614	11.6735
3	17,075.07	4.1859	161.98	1,472.89	4.6601	21.5389	1.7749	11.7195
4	17,164.54	4.2022	161.69	1,478.24	4.6542	21.2688	1.7779	11.6845
7	17,260.41	4.1583	162.63	1,476.12	4.7036	21.2234	1.7847	11.6560
8	17,183.10	4.1473	162.49	1,478.22	4.7074	21.1383	1.7933	11.6870
9	17,130.12	4.1205	162.97	1,473.03	4.6923	21.1916	1.8038	11.7860
10	17,165.59	4.1238	162.85	1,477.51	4.6915	21.2788	1.7998	11.7920
11	17,043.21	4.1103	162.94	1,477.64	4.6897	21.2356	1.7941	11.7393

Period	Other European and non-European countries (cont´d)							
	Philippines Philippine peso PHP	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United Kingdom Pound sterling GBP	United States US dollar USD
2023 Sep.	59.969	1.4443	19.9813	0.9669	38.679	29.0514	0.86458	1.0594
Oct.	60.295	1.4525	19.9507	0.9607	38.266	30.0455	0.87366	1.0619
Nov.	60.623	1.4602	20.5703	0.9562	38.494	31.5441	0.86368	1.0931
Dec.	61.283	1.4591	20.3477	0.9260	37.973	32.6531	0.86905	1.1050
2024 Jan.	61.023	1.4517	20.3238	0.9348	38.461	32.8984	0.85435	1.0837
Feb.	60.858	1.4570	20.9007	0.9534	38.909	33.8067	0.85655	1.0826
Mar.	60.797	1.4587	20.5226	0.9766	39.412	34.9487	0.85510	1.0811
Apr.	61.830	1.4593	20.0682	0.9787	39.732	34.7045	0.85478	1.0718
May	63.604	1.4663	20.2927	0.9818	39.925	34.9691	0.85365	1.0852
June	62.560	1.4513	19.4970	0.9634	39.319	35.1868	0.84638	1.0705
July	63.218	1.4491	19.7400	0.9533	38.629	35.9085	0.84380	1.0828
Aug.	62.309	1.4441	19.5358	0.9416	37.541	37.7651	0.84120	1.1087
Sep.	62.740	1.4342	19.2258	0.9439	36.107	38.2693	0.83543	1.1196
2024 Sep. 16	62.094	1.4407	19.6277	0.9394	36.983	37.8040	0.84278	1.1126
17	61.966	1.4407	19.6418	0.9405	37.104	37.9137	0.84278	1.1139
18	61.988	1.4395	19.5531	0.9388	37.015	37.9429	0.84225	1.1124
19	61.949	1.4415	19.4454	0.9460	36.965	37.9584	0.83953	1.1156
20	62.150	1.4426	19.5684	0.9486	36.887	38.0857	0.83910	1.1166
23	62.300	1.4357	19.3253	0.9448	36.654	37.9745	0.83518	1.1119
24	62.601	1.4341	19.2869	0.9439	36.569	38.0064	0.83220	1.1133
25	62.609	1.4378	19.1932	0.9495	36.599	38.2090	0.83653	1.1194
26	62.423	1.4328	19.2380	0.9452	36.215	38.1022	0.83428	1.1155
27	62.591	1.4305	19.1092	0.9420	36.135	38.1336	0.83338	1.1158
30	62.740	1.4342	19.2258	0.9439	36.107	38.2693	0.83543	1.1196
Oct. 1	62.287	1.4268	19.1585	0.9394	36.124	37.9185	0.83193	1.1086
2	62.186	1.4266	19.2605	0.9388	36.296	37.8927	0.83288	1.1071
3	62.315	1.4315	19.3017	0.9387	36.567	37.7045	0.84258	1.1039
4	62.126	1.4314	19.2809	0.9394	36.484	37.7762	0.83735	1.1029
7	62.519	1.4304	19.0978	0.9388	36.669	37.6174	0.83918	1.0982
8	62.392	1.4307	19.1784	0.9410	36.724	37.6381	0.83778	1.0982
9	62.410	1.4294	19.3282	0.9397	36.651	37.5237	0.83740	1.0957
10	62.762	1.4300	19.2391	0.9393	36.721	37.4017	0.83686	1.0932
11	62.613	1.4283	19.1041	0.9378	36.445	37.4975	0.83705	1.0938

* See Explanatory notes, p. 48.