

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

1. End-of-month and daily rates

EUR 1 = CU ...

EU member countries								
	Bulgaria	Czechia	Denmark	Hungary	Poland	Romania	Sweden	
Period	Bulgarian lev BGN	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	
2023 Dec.	1.9558	24.724	7.4529	382.80	4.3395	4.9756	11.0960	
2024 Jan.	1.9558	24.891	7.4550	384.90	4.3330	4.9758	11.2682	
Feb.	1.9558	25.363	7.4540	393.48	4.3208	4.9706	11.2150	
Mar.	1.9558	25.305	7.4580	395.26	4.3123	4.9735	11.5250	
Apr.	1.9558	25.140	7.4583	390.68	4.3178	4.9759	11.7530	
May	1.9558	24.709	7.4588	388.83	4.2645	4.9767	11.4210	
June	1.9558	25.025	7.4575	395.10	4.3090	4.9773	11.3595	
July	1.9558	25.457	7.4621	395.78	4.2908	4.9749	11.6125	
Aug.	1.9558	25.031	7.4589	392.53	4.2763	4.9768	11.3355	
Sep.	1.9558	25.184	7.4560	396.88	4.2788	4.9753	11.3000	
Oct.	1.9558	25.327	7.4601	408.28	4.3508	4.9749	11.6308	
Nov.	1.9558	25.256	7.4579	411.75	4.2960	4.9774	11.5180	
Dec.	1.9558	25.185	7.4578	411.35	4.2750	4.9743	11.4590	
2024 Dec. 19	1.9558	25.127	7.4613	416.05	4.2500	4.9760	11.4625	
20	1.9558	25.121	7.4614	414.18	4.2623	4.9762	11.4760	
23	1.9558	25.165	7.4590	414.70	4.2753	4.9763	11.4840	
24	1.9558	25.135	7.4608	411.73	4.2715	4.9745	11.5335	
27	1.9558	25.201	7.4602	411.45	4.2753	4.9769	11.4795	
30	1.9558	25.226	7.4600	411.53	4.2655	4.9765	11.4865	
31	1.9558	25.185	7.4578	411.35	4.2750	4.9743	11.4590	
2025 Jan. 2	1.9558	25.177	7.4583	412.90	4.2753	4.9743	11.4223	
3	1.9558	25.166	7.4599	414.93	4.2725	4.9752	11.4395	
6	1.9558	25.154	7.4591	414.68	4.2518	4.9747	11.4645	
7	1.9558	25.137	7.4592	415.73	4.2583	4.9744	11.4750	
8	1.9558	25.150	7.4608	416.25	4.2765	4.9739	11.5125	
9	1.9558	25.116	7.4609	413.98	4.2723	4.9734	11.4945	
10	1.9558	25.090	7.4606	413.68	4.2660	4.9735	11.4970	
13	1.9558	25.230	7.4605	413.68	4.2715	4.9731	11.5055	
14	1.9558	25.294	7.4607	412.05	4.2683	4.9749	11.5120	

Other European and non-European countries							
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR
2023 Dec.	1.6263	5.3618	1.4642	7.8509	8.6314	150.50	91.9045
2024 Jan.	1.6468	5.3749	1.4558	7.7789	8.4734	148.30	90.0010
Feb.	1.6684	5.4054	1.4719	7.7888	8.4735	149.30	89.7458
Mar.	1.6607	5.4032	1.4672	7.8144	8.4594	150.30	90.1365
Apr.	1.6423	5.4928	1.4672	7.7609	8.3817	150.30	89.4155
May	1.6315	5.6418	1.4804	7.8577	8.4838	149.10	90.5255
June	1.6079	5.8915	1.4670	7.7748	8.3594	148.90	89.2495
July	1.6635	6.0874	1.4977	7.8194	8.4589	149.90	90.6250
Aug.	1.6301	6.2155	1.4941	7.8585	8.6455	152.90	92.9485
Sep.	1.6166	6.0504	1.5133	7.8511	8.6933	150.70	93.8130
Oct.	1.6559	6.2635	1.5134	7.7436	8.4598	148.90	91.4930
Nov.	1.6245	6.4361	1.4796	7.6484	8.2211	145.70	89.3245
Dec.	1.6772	6.4253	1.4948	7.5833	8.0686	143.90	88.9335
2024 Dec. 19	1.6631	6.5335	1.4930	7.5858	8.0785	144.70	88.4810
20	1.6674	6.3173	1.4946	7.5831	8.0755	144.70	88.3550
23	1.6667	6.3916	1.4978	7.5861	8.0757	145.10	88.4635
24	1.6681	6.4384	1.4988	7.5843	8.0743	145.10	88.5275
27	1.6777	6.4586	1.5002	7.6169	8.0990	145.10	89.2100
30	1.6756	6.4760	1.5035	7.6234	8.1065	143.90	89.2685
31	1.6772	6.4253	1.4948	7.5833	8.0686	143.90	88.9335
2025 Jan. 2	1.6618	6.4200	1.4885	7.5338	8.0261	143.90	88.5070
3	1.6556	6.3478	1.4842	7.5371	8.0122	144.10	88.3335
6	1.6555	6.3649	1.4914	7.6284	8.1035	144.70	89.2605
7	1.6557	6.3134	1.4878	7.6142	8.0824	145.50	89.1120
8	1.6600	6.3075	1.4803	7.5413	8.0018	145.10	88.3520
9	1.6630	6.2991	1.4831	7.5558	8.0189	144.90	88.4740
10	1.6655	6.2397	1.4845	7.5542	8.0224	145.30	88.6265
13	1.6578	6.2109	1.4699	7.4771	7.9412	144.50	88.4165
14	1.6601	6.2299	1.4744	7.5108	7.9761	144.90	88.6925

* 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	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 Dec.	17,079.71	3.9993	156.33	1,433.66	5.0775	18.7231	1.7504	11.2405
2024 Jan.	17,076.29	3.9431	160.19	1,444.63	5.1259	18.5817	1.7705	11.3510
Feb.	17,038.18	3.8736	162.53	1,447.43	5.1375	18.4969	1.7807	11.4920
Mar.	17,157.87	3.9799	163.45	1,458.67	5.1168	17.9179	1.8092	11.6990
Apr.	17,422.11	4.0172	168.27	1,479.67	5.1130	18.1895	1.8035	11.8150
May	17,641.72	4.0342	170.52	1,501.11	5.1080	18.4387	1.7696	11.3830
June	17,487.21	4.0200	171.94	1,474.86	5.0501	19.5654	1.7601	11.3965
July	17,634.43	4.0822	162.76	1,485.96	4.9749	20.3317	1.8289	11.8175
Aug.	17,180.03	4.0245	161.19	1,478.60	4.7901	21.7581	1.7709	11.6620
Sep.	16,975.88	4.1491	159.82	1,469.11	4.6167	21.9842	1.7616	11.7645
Oct.	17,105.85	4.0441	166.30	1,500.05	4.7652	21.8087	1.8220	11.9385
Nov.	16,753.81	3.8411	158.64	1,476.11	4.6948	21.5370	1.7873	11.6805
Dec.	16,820.88	3.7885	163.06	1,532.15	4.6454	21.5504	1.8532	11.7950
2024 Dec. 19	16,957.88	3.7647	163.07	1,505.30	4.6835	21.1339	1.8387	11.8143
20	16,863.07	3.8060	162.89	1,502.70	4.6838	21.0194	1.8445	11.8685
23	16,817.59	3.7938	163.36	1,510.56	4.6665	21.0069	1.8429	11.8070
24	16,843.33	3.8133	163.25	1,515.98	4.6642	20.9490	1.8429	11.8490
27	16,922.75	3.8364	164.65	1,537.65	4.6660	21.1453	1.8508	11.8435
30	16,881.00	3.8120	164.57	1,539.13	4.6632	21.2847	1.8470	11.8455
31	16,820.88	3.7885	163.06	1,532.15	4.6454	21.5504	1.8532	11.7950
2025 Jan. 2	16,726.78	3.7676	162.04	1,515.07	4.6223	21.4375	1.8402	11.7173
3	16,703.85	3.7614	161.77	1,512.70	4.6346	21.2331	1.8366	11.7130
6	16,834.71	3.7905	163.25	1,518.24	4.7032	21.1962	1.8354	11.7095
7	16,794.93	3.7681	163.86	1,507.35	4.6639	21.1387	1.8317	11.7385
8	16,719.53	3.7798	162.94	1,503.50	4.6313	21.0093	1.8383	11.7380
9	16,693.79	3.7713	162.56	1,504.23	4.6403	21.1013	1.8417	11.7605
10	16,680.99	3.7889	162.86	1,511.32	4.6332	21.1258	1.8454	11.7570
13	16,640.94	3.7436	160.22	1,497.52	4.5993	21.1803	1.8358	11.7090
14	16,708.88	3.7185	161.63	1,496.39	4.6154	21.1339	1.8324	11.7195

Other European and non-European countries (cont'd)								
Period	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 Dec.	61.283	1.4591	20.3477	0.9260	37.973	32.6531	0.86905	1.1050
2024 Jan.	61.023	1.4517	20.3238	0.9348	38.461	32.8984	0.85435	1.0837
Feb.	60.858	1.4570	20.9007	0.9534	38.909	33.8067	0.85655	1.0826
Mar.	60.797	1.4587	20.5226	0.9766	39.412	34.9487	0.85510	1.0811
Apr.	61.830	1.4593	20.0682	0.9787	39.732	34.7045	0.85478	1.0718
May	63.604	1.4663	20.2927	0.9818	39.925	34.9691	0.85365	1.0852
June	62.560	1.4513	19.4970	0.9634	39.319	35.1868	0.84638	1.0705
July	63.218	1.4491	19.7400	0.9533	38.629	35.9085	0.84380	1.0828
Aug.	62.309	1.4441	19.5358	0.9416	37.541	37.7651	0.84120	1.1087
Sep.	62.740	1.4342	19.2258	0.9439	36.107	38.2693	0.83543	1.1196
Oct.	63.364	1.4377	19.1869	0.9412	36.754	37.2680	0.83753	1.0882
Nov.	61.939	1.4159	19.0777	0.9309	36.217	36.6390	0.83205	1.0562
Dec.	60.301	1.4164	19.6188	0.9412	35.676	36.7372	0.82918	1.0389
2024 Dec. 19	61.396	1.4131	19.0350	0.9319	35.946	36.4565	0.82445	1.0395
20	61.100	1.4100	19.1104	0.9297	35.757	36.5544	0.82965	1.0390
23	60.899	1.4103	19.2042	0.9336	35.632	36.6032	0.82995	1.0393
24	60.787	1.4129	19.3293	0.9358	35.489	36.6474	0.82805	1.0395
27	60.683	1.4174	19.5259	0.9396	35.495	36.7456	0.83098	1.0435
30	60.411	1.4166	19.5691	0.9435	35.640	36.8914	0.82950	1.0444
31	60.301	1.4164	19.6188	0.9412	35.676	36.7372	0.82918	1.0389
2025 Jan. 2	59.769	1.4091	19.2719	0.9371	35.355	36.4523	0.83118	1.0321
3	59.835	1.4113	19.2957	0.9362	35.475	36.4248	0.82993	1.0299
6	60.369	1.4168	19.2724	0.9396	35.834	36.8305	0.83098	1.0426
7	60.378	1.4150	19.3216	0.9426	35.830	36.7432	0.82915	1.0393
8	60.192	1.4096	19.4357	0.9379	35.682	36.3952	0.83403	1.0286
9	60.281	1.4102	19.4534	0.9397	35.645	36.4212	0.83808	1.0305
10	60.242	1.4092	19.6165	0.9416	35.616	36.4849	0.83693	1.0304
13	59.851	1.4010	19.5236	0.9346	35.464	36.2019	0.84160	1.0198
14	60.196	1.4036	19.4143	0.9395	35.612	36.3634	0.84288	1.0245

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