

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

1. End-of-month and daily rates

EUR 1 = CU ...

EU member countries								
Period	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 May	1.9558	23.741	7.4480	370.85	4.5368	4.9695	11.6278	
June	1.9558	23.742	7.4474	371.93	4.4388	4.9635	11.8055	
July	1.9558	23.900	7.4529	386.93	4.4070	4.9349	11.5895	
Aug.	1.9558	24.072	7.4523	380.13	4.4673	4.9420	11.8430	
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	
2024 May 13	1.9558	24.779	7.4608	387.00	4.2860	4.9762	11.7000	
14	1.9558	24.750	7.4608	386.10	4.2695	4.9758	11.7285	
15	1.9558	24.766	7.4617	386.00	4.2690	4.9758	11.6751	
16	1.9558	24.709	7.4612	386.18	4.2648	4.9755	11.6172	
17	1.9558	24.722	7.4615	387.60	4.2650	4.9752	11.6550	
20	1.9558	24.748	7.4611	385.65	4.2533	4.9750	11.6127	
21	1.9558	24.682	7.4617	385.43	4.2553	4.9743	11.5810	
22	1.9558	24.748	7.4617	388.05	4.2686	4.9751	11.6325	
23	1.9558	24.738	7.4624	387.08	4.2630	4.9754	11.5925	
24	1.9558	24.736	7.4612	385.18	4.2553	4.9743	11.5990	
27	1.9558	24.733	7.4619	384.70	4.2553	4.9763	11.5400	
28	1.9558	24.655	7.4616	382.78	4.2483	4.9759	11.4660	
29	1.9558	24.731	7.4607	387.08	4.2640	4.9768	11.5215	
30	1.9558	24.770	7.4595	389.45	4.2848	4.9764	11.4995	
31	1.9558	24.709	7.4588	388.83	4.2645	4.9767	11.4210	
June 3	1.9558	24.724	7.4590	391.40	4.2815	4.9762	11.4035	
4	1.9558	24.755	7.4590	392.28	4.3005	4.9750	11.3755	
5	1.9558	24.654	7.4592	391.73	4.3045	4.9755	11.3275	
6	1.9558	24.632	7.4592	390.68	4.3015	4.9758	11.2930	

Other European and non-European countries								
Period	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 May	1.6497	5.4288	1.4582	7.5926	8.3696	149.70	88.3400	
June	1.6398	5.2788	1.4415	7.8983	8.5157	148.70	89.2065	
July	1.6436	5.2031	1.4566	7.8808	8.5966	144.30	90.6690	
Aug.	1.6785	5.3082	1.4721	7.9196	8.5250	142.30	89.9293	
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	
2024 May 13	1.6305	5.5486	1.4757	7.8095	8.4329	150.30	90.1330	
14	1.6329	5.5419	1.4753	7.8103	8.4341	150.50	90.1600	
15	1.6308	5.5827	1.4763	7.8212	8.4578	150.30	90.4445	
16	1.6290	5.5696	1.4810	7.8430	8.4798	150.30	90.7300	
17	1.6281	5.5645	1.4784	7.8370	8.4600	150.30	90.3883	
20	1.6259	5.5590	1.4798	7.8560	8.4712	150.30	90.4715	
21	1.6278	5.5371	1.4797	7.8610	8.4778	150.10	90.5115	
22	1.6288	5.5647	1.4810	7.8414	8.4538	150.10	90.2135	
23	1.6333	5.5745	1.4832	7.8578	8.4749	150.10	90.3445	
24	1.6394	5.5722	1.4865	7.8522	8.4680	149.90	90.1040	
27	1.6320	5.6038	1.4813	7.8545	8.4663	149.70	90.1393	
28	1.6314	5.6141	1.4820	7.8842	8.4994	149.30	90.5150	
29	1.6370	5.6149	1.4838	7.8706	8.4811	149.10	90.5290	
30	1.6341	5.6279	1.4828	7.8261	8.4556	148.90	90.0730	
31	1.6315	5.6418	1.4804	7.8577	8.4838	149.10	90.5255	
June 3	1.6290	5.6957	1.4784	7.8562	8.4797	149.50	90.1250	
4	1.6364	5.7284	1.4860	7.8630	8.4901	149.90	90.6925	
5	1.6353	5.7259	1.4867	7.8795	8.4904	149.50	90.7080	
6	1.6368	5.7623	1.4879	7.8715	8.4853	149.70	90.7135	

* See Explanatory notes, p. 48.

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

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

EUR 1 = CU ...

Other European and non-European countries (cont'd)									
	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
Period	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
2023 May	16,030.39	3.9713	149.13	1,416.29	4.9307	18.9263	1.7793	12.0045	
June	16,384.54	4.0486	157.16	1,435.88	5.0717	18.5614	1.7858	11.7040	
July	16,622.65	4.0714	156.73	1,405.49	4.9703	18.4088	1.7773	11.1805	
Aug.	16,551.96	4.1293	158.49	1,439.56	5.0428	18.1866	1.8259	11.5800	
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	
2024 May 13	17,371.37	4.0161	168.25	1,476.01	5.1082	18.0713	1.7923	11.6800	
14	17,407.15	4.0089	168.89	1,476.56	5.0952	18.1363	1.7934	11.6815	
15	17,340.14	4.0030	168.43	1,471.93	5.0986	18.2710	1.7860	11.6490	
16	17,297.31	4.0057	168.33	1,463.04	5.0885	18.1784	1.7794	11.6420	
17	17,316.08	4.0318	168.96	1,471.55	5.0831	18.0889	1.7751	11.6330	
20	17,351.81	4.0267	169.25	1,477.31	5.0884	18.0315	1.7773	11.6115	
21	17,383.98	3.9892	169.86	1,480.56	5.0979	17.9800	1.7810	11.5830	
22	17,371.32	3.9853	169.54	1,480.95	5.0820	18.0397	1.7724	11.5850	
23	17,398.69	3.9863	169.90	1,476.66	5.1063	18.0534	1.7703	11.5165	
24	17,377.88	3.9801	170.28	1,480.44	5.1073	18.0844	1.7747	11.4953	
27	17,421.56	3.9851	170.07	1,478.03	5.0930	18.0901	1.7665	11.4150	
28	17,495.81	3.9948	170.54	1,477.78	5.1077	18.1116	1.7648	11.4070	
29	17,580.25	4.0153	170.74	1,484.62	5.1066	18.2588	1.7716	11.4170	
30	17,563.67	4.0247	169.50	1,488.66	5.0874	18.4071	1.7706	11.4065	
31	17,641.72	4.0342	170.52	1,501.11	5.1080	18.4387	1.7696	11.3830	
June 3	17,595.37	3.9692	170.09	1,493.24	5.1033	19.0161	1.7614	11.3885	
4	17,680.40	4.0050	168.29	1,495.71	5.1087	19.5326	1.7624	11.4890	
5	17,762.62	4.0302	169.72	1,491.34	5.1077	19.1919	1.7577	11.4750	
6	17,670.67	4.0503	169.74	1,486.44	5.1000	19.1254	1.7584	11.5000	

Other European and non-European countries (cont'd)									
	Philippines	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States	
Period	Philippine peso PHP	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD	
2023 May	60.053	1.4467	21.1353	0.9724	37.134	22.1320	0.86405	1.0683	
June	60.082	1.4732	20.5785	0.9788	38.482	28.3193	0.85828	1.0866	
July	60.522	1.4660	19.5511	0.9619	37.732	29.7126	0.85765	1.1023	
Aug.	61.545	1.4686	20.4199	0.9584	38.005	28.9848	0.85718	1.0868	
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	
2024 May 13	62.417	1.4605	19.8185	0.9784	39.688	34.7702	0.86023	1.0795	
14	62.452	1.4609	19.8835	0.9801	39.589	34.8169	0.85983	1.0796	
15	62.284	1.4609	19.9073	0.9800	39.580	34.9765	0.85840	1.0832	
16	62.490	1.4617	19.7911	0.9822	39.291	34.9901	0.85850	1.0866	
17	62.559	1.4609	19.8068	0.9855	39.358	34.9852	0.85685	1.0844	
20	62.853	1.4628	19.8052	0.9880	39.214	34.9725	0.85548	1.0861	
21	63.294	1.4632	19.6955	0.9884	39.425	34.9752	0.85440	1.0864	
22	62.825	1.4616	19.7464	0.9905	39.448	34.8553	0.85165	1.0830	
23	63.138	1.4637	19.9118	0.9907	39.612	34.9722	0.85175	1.0854	
24	63.078	1.4639	19.9506	0.9924	39.756	34.9539	0.85241	1.0840	
27	63.090	1.4633	19.9632	0.9922	39.702	34.9000	0.85070	1.0843	
28	63.083	1.4659	19.9443	0.9908	39.823	35.0223	0.85080	1.0882	
29	63.481	1.4652	19.9000	0.9907	39.948	34.9889	0.85130	1.0857	
30	63.354	1.4612	20.1501	0.9808	39.745	34.9038	0.85105	1.0815	
31	63.604	1.4663	20.2927	0.9818	39.925	34.9691	0.85365	1.0852	
June 3	63.653	1.4638	20.2534	0.9772	39.937	34.9104	0.85175	1.0842	
4	63.854	1.4640	20.2986	0.9703	39.733	35.2217	0.85143	1.0865	
5	63.938	1.4657	20.5868	0.9704	39.906	35.2316	0.85048	1.0872	
6	63.734	1.4648	20.6281	0.9687	39.679	35.0263	0.85088	1.0865	

* See Explanatory notes, p. 48.