

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	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 6	1.9558	24.995	7.4589	389.38	4.3185	4.9688	11.6250
	7	1.9558	25.014	7.4596	389.05	4.3138	4.9757	11.6810
	8	1.9558	25.036	7.4599	388.88	4.3075	4.9757	11.7330
	9	1.9558	24.935	7.4594	387.95	4.2920	4.9753	11.7205
	10	1.9558	24.936	7.4607	387.72	4.2968	4.9758	11.6865
	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

		Other European and non-European countries						
		Australia	Brazil	Canada	China	Hong Kong	Iceland	India
Period		Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	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 6	1.6248	5.4683	1.4731	7.7662	8.4223	150.30	89.9875
	7	1.6297	5.4629	1.4730	7.7707	8.4197	150.30	89.8980
	8	1.6374	5.4682	1.4784	7.7651	8.3989	150.10	89.7015
	9	1.6299	5.5189	1.4728	7.7554	8.3881	150.30	89.6070
	10	1.6320	5.5332	1.4747	7.7877	8.4228	150.30	90.0185
	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

* 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 6	17,289.39	4.0322	165.70	1,460.00	5.1067	18.2346	1.7891	11.6663
7	17,295.26	4.0056	166.45	1,462.45	5.1009	18.1606	1.7918	11.6980
8	17,270.98	3.9883	167.15	1,466.47	5.0949	18.1936	1.7948	11.7570
9	17,248.52	4.0140	167.32	1,471.57	5.0878	18.1764	1.7881	11.7215
10	17,292.10	4.0091	167.87	1,472.72	5.1082	18.0730	1.7923	11.6735
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

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 6	61.660	1.4548	19.8369	0.9754	39.618	34.7747	0.85660	1.0776
7	61.678	1.4570	19.9127	0.9770	39.683	34.7408	0.85805	1.0766
8	61.643	1.4572	20.0409	0.9770	39.717	34.6564	0.86083	1.0743
9	61.569	1.4558	19.8856	0.9760	39.617	34.5811	0.85995	1.0732
10	61.936	1.4592	19.8673	0.9779	39.580	34.7431	0.86055	1.0779
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

* See Explanatory notes, p. 48.