

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	Czechia	Denmark	Hungary	Poland	Romania	Sweden	
	Bulgarian lev BGN	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	
2023 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	
June	1.9558	25.025	7.4575	395.10	4.3090	4.9773	11.3595	
2024 June 20	1.9558	24.898	7.4581	397.39	4.3210	4.9771	11.1980	
21	1.9558	24.949	7.4580	396.93	4.3220	4.9773	11.2445	
24	1.9558	24.893	7.4593	394.36	4.3003	4.9774	11.2555	
25	1.9558	24.819	7.4594	396.00	4.2995	4.9770	11.2255	
26	1.9558	24.877	7.4591	396.53	4.3075	4.9769	11.3038	
27	1.9558	24.933	7.4583	397.68	4.3188	4.9779	11.3380	
28	1.9558	25.025	7.4575	395.10	4.3090	4.9773	11.3595	
July 1	1.9558	25.048	7.4586	394.25	4.3008	4.9766	11.3675	
2	1.9558	25.185	7.4590	395.60	4.3250	4.9769	11.4170	
3	1.9558	25.194	7.4587	395.08	4.3018	4.9773	11.3710	
4	1.9558	25.143	7.4588	393.50	4.2918	4.9769	11.3375	
5	1.9558	25.202	7.4593	392.55	4.2798	4.9772	11.3605	
8	1.9558	25.162	7.4586	394.70	4.2778	4.9748	11.3805	
9	1.9558	25.231	7.4595	395.20	4.2643	4.9731	11.4220	
10	1.9558	25.379	7.4603	392.68	4.2555	4.9734	11.4075	
11	1.9558	25.361	7.4606	393.95	4.2545	4.9755	11.4190	
12	1.9558	25.341	7.4610	391.90	4.2548	4.9729	11.4965	
15	1.9558	25.422	7.4614	391.48	4.2495	4.9692	11.5375	
16	1.9558	25.352	7.4611	391.93	4.2683	4.9662	11.5545	

Other European and non-European countries								
Period	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 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	
June	1.6079	5.8915	1.4670	7.7748	8.3594	148.90	89.2495	
2024 June 20	1.6076	5.7921	1.4696	7.7825	8.3654	149.30	89.6225	
21	1.6031	5.8107	1.4632	7.7602	8.3401	149.10	89.3150	
24	1.6157	5.8278	1.4682	7.7891	8.3772	149.10	89.5833	
25	1.6109	5.8015	1.4650	7.7811	8.3652	149.10	89.3855	
26	1.6053	5.8524	1.4628	7.7673	8.3459	149.10	89.3230	
27	1.6078	5.8887	1.4647	7.7745	8.3521	148.90	89.2420	
28	1.6079	5.8915	1.4670	7.7748	8.3594	148.90	89.2495	
July 1	1.6109	6.0016	1.4711	7.8097	8.3945	148.90	89.6575	
2	1.6120	6.0479	1.4727	7.8014	8.3829	149.30	89.5417	
3	1.6123	6.0813	1.4703	7.8247	8.4033	149.10	89.8360	
4	1.6046	5.9345	1.4705	7.8515	8.4340	149.10	90.1990	
5	1.6073	5.9419	1.4736	7.8655	8.4544	149.30	90.3685	
8	1.6067	5.9265	1.4772	7.8766	8.4631	149.30	90.4705	
9	1.6062	5.9075	1.4752	7.8639	8.4477	149.10	90.2910	
10	1.6056	5.8435	1.4758	7.8763	8.4554	149.10	90.4015	
11	1.6075	5.8792	1.4796	7.8862	8.4767	149.30	90.7165	
12	1.6076	5.9104	1.4834	7.8984	8.5019	149.30	90.9585	
15	1.6088	5.9335	1.4879	7.9206	8.5133	149.30	91.1680	
16	1.6169	5.9227	1.4911	7.9223	8.5082	149.30	91.1115	

* 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 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
June	17,487.21	4.0200	171.94	1,474.86	5.0501	19.5654	1.7601	11.3965
2024 June 20	17,678.10	3.9948	169.82	1,488.01	5.0492	19.7453	1.7492	11.2915
21	17,597.85	4.0097	169.82	1,484.58	5.0373	19.5271	1.7427	11.2685
24	17,596.13	4.0003	171.17	1,489.57	5.0554	19.3887	1.7543	11.3490
25	17,559.71	3.9968	170.84	1,491.03	5.0404	19.3338	1.7498	11.3265
26	17,563.79	4.0054	171.42	1,488.06	5.0420	19.4941	1.7537	11.3945
27	17,530.00	4.0171	171.66	1,482.71	5.0480	19.6780	1.7543	11.3980
28	17,487.21	4.0200	171.94	1,474.86	5.0501	19.5654	1.7601	11.3965
July 1	17,569.00	4.0304	173.15	1,485.41	5.0641	19.7315	1.7638	11.4315
2	17,570.19	4.0411	173.31	1,488.26	5.0630	19.6825	1.7693	11.4795
3	17,619.72	4.0496	174.18	1,495.26	5.0783	19.6577	1.7717	11.4583
4	17,632.08	4.0476	173.84	1,491.06	5.0863	19.5801	1.7641	11.4015
5	17,622.12	4.0169	174.06	1,494.76	5.0970	19.5472	1.7672	11.4480
8	17,623.56	4.0023	174.37	1,499.05	5.1022	19.5399	1.7655	11.4575
9	17,593.46	3.9723	174.20	1,496.01	5.0907	19.4858	1.7681	11.4890
10	17,557.93	3.9574	174.79	1,498.46	5.0883	19.2904	1.7804	11.6070
11	17,562.25	3.9516	175.39	1,498.04	5.0883	19.4056	1.7836	11.6725
12	17,551.14	3.9529	172.87	1,497.89	5.0851	19.3112	1.7819	11.7025
15	17,654.29	3.9409	172.34	1,508.27	5.0952	19.4041	1.7904	11.7460
16	17,633.22	3.9524	172.65	1,507.53	5.0978	19.3324	1.7960	11.7815

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 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
June	62.560	1.4513	19.4970	0.9634	39.319	35.1868	0.84638	1.0705
2024 June 20	63.124	1.4504	19.4066	0.9546	39.403	35.1725	0.84513	1.0719
21	62.920	1.4468	19.1241	0.9537	39.150	35.1129	0.84531	1.0688
24	63.066	1.4520	19.5122	0.9586	39.347	35.2953	0.84730	1.0730
25	62.966	1.4499	19.4537	0.9575	39.272	35.3160	0.84465	1.0714
26	63.029	1.4513	19.4243	0.9585	39.394	35.1962	0.84453	1.0689
27	62.705	1.4519	19.6609	0.9604	39.393	35.1720	0.84590	1.0696
28	62.560	1.4513	19.4970	0.9634	39.319	35.1868	0.84638	1.0705
July 1	62.998	1.4567	19.5015	0.9689	39.434	35.1126	0.84790	1.0745
2	63.097	1.4569	19.8161	0.9697	39.526	35.0707	0.84755	1.0729
3	63.218	1.4593	19.9050	0.9718	39.546	35.0501	0.84680	1.0758
4	63.211	1.4594	19.7867	0.9717	39.560	35.1736	0.84663	1.0800
5	63.381	1.4612	19.7371	0.9730	39.594	35.4062	0.84613	1.0824
8	63.462	1.4618	19.6622	0.9711	39.461	35.4635	0.84410	1.0835
9	63.209	1.4608	19.6540	0.9712	39.379	35.5984	0.84491	1.0814
10	63.118	1.4605	19.5581	0.9723	39.343	35.5705	0.84518	1.0825
11	63.278	1.4627	19.6270	0.9749	39.387	35.6793	0.84305	1.0855
12	63.573	1.4623	19.5935	0.9747	39.367	35.9657	0.84029	1.0890
15	63.711	1.4640	19.8324	0.9755	39.472	36.0554	0.84045	1.0907
16	63.684	1.4647	19.7067	0.9761	39.329	36.0785	0.84058	1.0902

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