

# PACIFIC Exchange Rate Service <https://fx.sauder.ubc.ca>

## Foreign Currency Units per 1 U.S. Dollar, 1950-2023

Year	German Marks	Japanese Yen	British Pounds	French Francs	Canadian Dollars	Swiss Francs	Italian Lira	Australian Dollars
	DEM	JPY	GBP	FRF	CAD	CHF	ITL	AUD
1950	4.1950	361.100	0.35714	3.4968	1.0890	4.37295	624.61	0.89286
1951	4.1950	361.100	0.35714	3.4996	1.0530	4.37295	625.00	0.89286
1952	4.1950	361.100	0.35714	3.4997	0.9790	4.37295	625.00	0.89286
1953	4.2000	360.000	0.35714	3.4996	0.9830	4.37295	625.00	0.89286
1954	4.2000	360.000	0.35714	3.4997	0.9730	4.37295	625.00	0.89286
1955	4.2000	360.000	0.35714	3.4997	0.9860	4.37295	625.00	0.89286
1956	4.2000	360.000	0.35714	3.4979	0.9840	4.37295	625.00	0.89286
1957	4.2000	360.000	0.35714	3.6164	0.9588	4.37295	625.00	0.89286
1958	4.2000	360.000	0.35714	4.1972	0.9706	4.37295	624.74	0.89286
1959	4.2000	360.000	0.35714	4.9371	0.9591	4.37295	621.09	0.89286
1960	4.2000	360.000	0.35714	c 4.9371	0.9698	4.37295	623.99	0.89286
1961	4.0333	360.000	0.35714	4.9371	1.0131	4.37295	625.00	0.89286
1962	4.0000	360.000	0.35714	4.9371	1.0688	4.37295	625.00	0.89286
1963	4.0000	360.000	0.35714	4.9371	1.0785	4.37295	625.00	0.89286
1964	4.0000	360.000	0.35714	4.9371	1.0786	4.37295	625.00	0.89286
1965	4.0000	360.000	0.35714	4.9371	1.0780	4.37295	625.00	0.89286
1966	4.0000	360.000	0.35714	4.9371	1.0773	4.37295	625.00	0.89286
1967	4.0000	360.000	0.36210	4.9371	1.0787	4.37295	625.00	0.89286
1968	4.0000	360.000	0.41667	4.9371	1.0775	4.37295	625.00	0.89286
1969	3.9433	360.000	0.41667	5.1942	1.0768	4.37295	625.00	0.89286
1970	3.6600	360.000	0.41667	5.5542	1.0442	4.37295	625.00	0.89286
1971	3.5074	350.678	0.41092	5.5406	1.0098	4.13385	620.36	0.88267
1972	3.1886	303.172	0.40039	5.0445	0.9907	3.81925	583.22	0.83870
1973	2.6726	271.702	0.40817	4.4528	1.0001	3.16483	583.00	0.70411
1974	2.5877	292.082	0.42776	4.8096	0.9780	2.97925	650.34	0.69667
1975	2.4603	296.787	0.45204	4.2878	1.0172	2.58128	652.85	0.76387
1976	2.5180	296.552	0.55651	4.8029	0.9860	2.49964	832.33	0.81828
1977	2.3222	268.510	0.57327	4.9052	1.0634	2.40352	882.39	0.90182
1978	2.0086	210.442	0.52150	4.5131	1.1407	1.78802	848.66	0.87366
1979	1.8329	219.140	0.47218	4.2544	1.1714	1.66272	830.86	0.89464
1980	1.8177	226.741	0.43029	4.2256	1.1692	1.67571	856.45	0.87824
1981	2.2600	220.536	0.49764	5.4346	1.1989	1.96424	1136.76	0.87021
1982	2.4266	249.077	0.57245	6.5721	1.2337	2.03027	1352.51	0.98586
1983	2.5533	237.512	0.65972	7.6213	1.2324	2.09914	1518.85	1.11001
1984	2.8459	237.522	0.75181	8.7391	1.2951	2.34968	1756.96	1.13952
1985	2.9440	238.536	0.77925	8.9852	1.3655	2.45713	1909.44	1.43189
1986	2.1715	168.520	0.68220	6.9261	1.3895	1.79892	1490.81	1.49597
1987	1.7974	144.638	0.61193	6.0107	1.3260	1.49119	1296.07	1.42818
1988	1.7562	128.152	0.56217	5.9569	1.2307	1.46330	1301.63	1.27991
1989	1.8800	137.964	0.61117	6.3801	1.1840	1.63592	1372.09	1.26460
1990	1.6157	144.792	0.56318	5.4453	1.1668	1.38916	1198.10	1.28106
1991	1.6595	134.707	0.56702	5.6421	1.1457	1.43399	1240.61	1.28376
1992	1.5617	126.651	0.56977	5.2938	1.2087	1.40622	1232.41	1.36165
1993	1.6533	111.198	0.66676	5.6632	1.2901	1.47762	1573.67	1.47056
1994	1.6228	102.208	0.65343	5.5520	1.3657	1.36769	1612.44	1.36775
1995	1.4331	94.060	0.63367	4.9915	1.3724	1.18247	1628.93	1.34903
1996	1.5048	108.779	0.64096	5.1155	1.3635	1.23601	1542.95	1.27786
1997	1.7341	120.991	0.61084	5.8367	1.3846	1.45131	1703.10	1.34738
1998	1.7597	130.905	0.60382	5.8995	1.4835	1.44981	1736.21	1.59183
1999	1.8351	113.907	0.61806	6.1547	1.4857	1.50216	1816.77	1.54995
2000	2.1176	107.765	0.66093	7.1021	1.4854	1.68884	2096.41	1.72483
2001	2.1837	121.529	0.69466	7.3240	1.5488	1.68762	2161.91	1.93344
2002	2.0684	125.388	0.66722	6.9371	1.5703	1.55861	2047.72	1.84056
2003	1.7290	115.933	0.61247	5.7990	1.4010	1.34665	1711.76	1.54191
2004	1.5723	108.193	0.54618	5.2734	1.3013	1.24350	1556.61	1.35975
2005	1.5721	110.218	0.55000	5.2726	1.2114	1.24518	1556.37	1.30947
2006	1.5577	116.299	0.54349	5.2243	1.1343	1.25384	1542.11	1.32797
2007	1.4271	117.754	0.49977	4.7863	1.0740	1.20037	1412.84	1.19507
2008	1.3298	103.359	0.54397	4.4600	1.0671	1.08309	1316.51	1.19218
2009	1.4022	93.570	0.64192	4.7029	1.1415	1.08814	1388.22	1.28219
2010	1.4753	87.780	0.64718	4.9479	1.0301	1.04291	1460.55	1.09016
2011	1.4051	79.807	0.62414	4.7125	0.9893	0.88804	1391.04	0.96946
2012	1.5223	79.790	0.63305	5.1056	0.9994	0.93768	1507.07	0.96580
2013	1.4726	97.596	0.63966	4.9390	1.0301	0.92690	1457.91	1.03584
2014	1.4722	105.945	0.60773	4.9376	1.1047	0.91615	1457.49	1.10936
2015	1.7628	121.044	0.65455	5.9121	1.2788	0.96238	1745.15	1.33109
2016	1.7669	108.793	0.74063	5.9261	1.3256	0.98539	1749.27	1.34521
2017	1.7313	112.166	0.77698	5.8066	1.2979	0.98469	1714.00	1.30476
2018	1.6561	110.423	0.74953	5.5545	1.2958	0.97789	1639.58	1.33841
2019	1.7471	109.010	0.78345	5.8595	1.3268	0.99371	1729.62	1.43851
2020	1.7123	106.775	0.78000	5.7429	1.3412	0.93897	1695.22	1.45309
2021	1.6536	109.754	0.72706	5.5461	1.2539	0.91385	1637.10	1.33122
2022	1.8573	131.498	0.81130	6.2291	1.3016	0.95483	1838.73	1.44166
2023	1.8088	140.491	0.80454	6.0665	1.3499	0.89849	1790.74	1.50519

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## Foreign Currency Units per 1 U.S. Dollar, 1950-2023

Year	Austrian Schillings	Belgian Francs	Danish Kroner	Finnish Markka	Norwegian Kroner	Spanish Pesetas	Swedish Krona	Portuguese Escudo
	<b>ATS</b>	<b>BEF</b>	<b>DKK</b>	<b>FIM</b>	<b>NOK</b>	<b>ESP</b>	<b>SEK</b>	<b>PTE</b>
1950	19.9960	50.000	6.9071	2.3100	7.1429	39.800	5.1728	28.750
1951	21.3580	50.000	6.9071	2.3000	7.1429	39.650	5.1732	28.750
1952	21.3580	50.000	6.9071	2.3000	7.1429	39.650	5.1732	28.750
1953	24.4140	50.000	6.9071	2.3000	7.1429	39.650	5.1732	28.750
1954	26.0000	50.000	6.9071	2.3000	7.1429	38.950	5.1732	28.750
1955	26.0000	50.000	6.9071	2.3000	7.1429	38.950	5.1732	28.750
1956	26.0000	50.000	6.9071	2.3000	7.1429	38.950	5.1732	28.750
1957	26.0000	50.000	6.9071	2.5250	7.1429	41.302	5.1732	28.750
1958	26.0000	50.000	6.9071	3.2000	7.1429	41.999	5.1732	28.750
1959	26.0000	50.000	6.9071	3.2000	7.1429	51.000	5.1732	28.750
1960	26.0000	50.000	6.9071	3.2000	7.1429	60.000	5.1732	28.750
1961	26.0000	50.000	6.9071	3.2000	7.1429	60.000	5.1732	28.750
1962	26.0000	50.000	6.9071	3.2000	7.1429	60.000	5.1732	28.750
1963	26.0000	50.000	6.9071	c 3.2000	7.1429	60.000	5.1732	28.750
1964	26.0000	50.000	6.9071	3.2000	7.1429	60.000	5.1732	28.750
1965	26.0000	50.000	6.9071	3.2000	7.1429	60.000	5.1732	28.750
1966	26.0000	50.000	6.9071	3.2000	7.1429	60.000	5.1732	28.750
1967	26.0000	50.000	6.9565	3.4500	7.1429	61.667	5.1732	28.750
1968	26.0000	50.000	7.5000	4.2000	7.1429	70.000	5.1732	28.750
1969	26.0000	50.000	7.5000	4.2000	7.1429	70.000	5.1732	28.750
1970	26.0000	50.000	7.5000	4.2000	7.1429	70.000	5.1732	28.750
1971	24.9856	49.057	7.4263	4.1844	7.0559	69.469	5.1259	28.360
1972	23.1153	44.015	6.9493	4.1463	6.5882	64.271	4.7624	27.053
1973	19.5800	38.976	6.0495	3.8212	5.7658	58.260	4.3672	24.515
1974	18.6925	38.951	6.0949	3.7737	5.5397	57.686	4.4394	25.408
1975	17.4167	36.779	5.7461	3.6787	5.2269	57.407	4.1522	25.553
1976	17.9397	38.605	6.0450	3.8644	5.4565	66.903	4.3559	30.229
1977	16.5269	35.843	6.0032	4.0294	5.3235	75.962	4.4816	38.277
1978	14.5217	31.492	5.5146	4.1173	5.2422	76.668	4.5185	43.937
1979	13.3675	29.319	5.2610	3.8953	5.0641	67.125	4.2871	48.923
1980	12.9380	29.242	5.6359	3.7301	4.9392	71.702	4.2296	50.062
1981	15.9268	37.129	7.1234	4.3152	5.7395	92.322	5.0634	61.546
1982	17.0592	45.691	8.3324	4.8204	6.4540	109.859	6.2826	79.473
1983	17.9633	51.132	9.1450	5.5701	7.2964	143.430	7.6671	110.780
1984	20.0091	57.784	10.3566	6.0100	8.1615	160.761	8.2718	146.390
1985	20.6895	59.378	10.5964	6.1979	8.5972	170.044	8.6039	170.395
1986	15.2671	44.672	8.0910	5.0695	7.3947	140.048	7.1236	149.587
1987	12.6425	37.334	6.8403	4.3956	6.7374	123.478	6.3404	140.882
1988	12.3477	36.768	6.7315	4.1828	6.5170	116.487	6.1272	143.954
1989	13.2307	39.404	7.3102	4.2912	6.9045	118.378	6.4469	157.458
1990	11.3698	33.418	6.1886	3.8235	6.2597	101.934	5.9188	142.555
1991	11.6759	34.148	6.3965	4.0440	6.4829	103.912	6.0475	144.482
1992	10.9893	32.150	6.0361	4.4794	6.2145	102.379	5.8238	134.998
1993	11.6322	34.597	6.4839	5.7123	7.0941	127.260	7.7834	160.800
1994	11.4218	33.456	6.3606	5.2235	7.0576	133.958	7.7160	165.993
1995	10.0815	29.480	5.6024	4.3667	6.3352	124.689	7.1333	151.106
1996	10.5866	30.962	5.7987	4.5935	6.4498	126.662	6.7060	154.244
1997	12.2042	35.774	6.6045	5.1914	7.0734	146.414	7.6349	175.312
1998	12.3791	36.299	6.7008	5.3441	7.5451	149.395	7.9499	180.104
1999	12.9111	37.850	6.9762	5.5788	7.7992	156.117	8.2624	188.109
2000	14.8983	43.676	8.0831	6.4375	8.8018	180.147	9.1622	217.063
2001	15.3638	45.041	8.3228	6.6386	8.9917	185.775	10.3291	223.845
2002	14.5523	42.662	7.8947	6.2880	7.9838	175.963	9.7371	212.022
2003	12.1648	35.662	6.5877	5.2563	7.0802	147.093	8.0863	177.236
2004	11.0622	32.430	5.9911	4.7799	6.7408	133.761	7.3489	161.172
2005	11.0605	32.425	5.9969	4.7792	6.4425	133.741	7.4731	161.147
2006	10.9592	32.128	5.9468	4.7354	6.4133	132.515	7.3782	159.670
2007	10.0405	29.435	5.4437	4.3384	5.8617	121.407	6.7588	146.286
2008	9.3559	27.428	5.0981	4.0426	5.6400	113.130	6.5911	136.312
2009	9.8656	28.922	5.3609	4.2628	6.2883	119.292	7.6538	143.737
2010	10.3795	30.429	5.6241	4.4849	6.0442	125.506	7.2075	151.225
2011	9.8856	28.981	5.3687	4.2715	5.6046	119.534	6.4935	144.029
2012	10.7102	31.398	5.7925	4.6278	5.8175	129.505	6.7750	156.043
2013	10.3608	30.374	5.6163	4.4768	5.8750	125.280	6.5140	150.952
2014	10.3578	30.365	5.6125	4.4755	6.3017	125.243	6.8608	150.908
2015	12.4021	36.358	6.7279	5.3589	8.0642	149.963	8.4348	180.694
2016	euro-based pseudo rate 12.4313	euro-based pseudo rate 36.444	6.7317	euro-based pseudo rate 5.3715	8.4000	euro-based pseudo rate 150.317	8.5620	euro-based pseudo rate 181.120
2017	12.1807	35.709	6.6029	5.2632	8.2717	147.286	8.5489	177.468
2018	11.6518	34.159	6.3146	5.0347	8.1325	140.891	8.6925	169.763
2019	12.2917	36.035	6.6694	5.3112	8.8000	148.629	9.4583	179.086
2020	12.0472	35.318	6.5422	5.2055	9.4158	145.672	9.2103	175.523
2021	11.6343	34.107	6.2871	5.0271	8.5900	140.678	8.5766	169.506
2022	13.0671	38.308	7.0762	5.6462	9.6142	158.004	10.1143	190.382
2023	12.7261	37.308	6.8897	5.4988	10.5633	153.880	10.6102	185.414

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Year	Hong Kong Dollars	Indian Rupees	Indonesian Rupiah	New Zealand Dollars	Pakistani Rupees	Philippines Pesos	Singapore Dollars	Thai Baht
	<b>HKD</b>	<b>INR</b>	<b>IDR</b>	<b>NZD</b>	<b>PKR</b>	<b>PHP</b>	<b>SGD</b>	<b>THB</b>
1950	5.7143	4.7619		0.71429	3.3085	2.0000	3.0612	22.339
1951	5.7143	4.7619		0.71429	3.3085	2.0000	3.0612	21.556
1952	5.7143	4.7619		0.71429	3.3085	2.0000	3.0612	18.874
1953	5.7143	4.7619		0.71429	3.3085	2.0000	3.0612	18.228
1954	5.7143	4.7619		0.71429	3.3085	2.0000	3.0612	21.133
1955	5.7143	4.7619		0.71429	3.9141	2.0000	3.0612	21.637
1956	5.7143	4.7619		0.71429	4.7619	2.0000	3.0612	20.780
1957	5.7143	4.7619		0.71429	4.7619	2.0000	3.0612	20.750
1958	5.7143	4.7619		0.71429	4.7619	2.0000	3.0612	20.992
1959	5.7143	4.7619		0.71429	4.7619	2.0000	3.0612	21.170
1960	5.7143	4.7619		0.71429	4.7619	2.0150	3.0612	21.182
1961	5.7143	4.7619		0.71551	4.7619	2.0200	3.0612	21.058
1962	5.7143	4.7619		0.71919	4.7619	3.7279	3.0612	20.880
1963	5.7143	4.7619		0.71919	4.7619	3.9104	3.0612	20.830
1964	5.7143	4.7619		0.71919	4.7619	3.9100	3.0612	20.800
1965	5.7143	4.7619		0.71919	4.7619	3.9092	3.0612	20.800
1966	5.7143	6.3591		0.71919	4.7619	3.9000	3.0612	20.800
1967	5.7432	7.5000	149.58	0.73367	4.7619	3.9000	3.0612	20.800
1968	6.0606	7.5000	296.29	0.89286	4.7619	3.9000	3.0612	20.800
1969	6.0606	7.5000	326.00	0.89286	4.7619	3.9000	3.0612	20.800
1970	6.0606	7.5000	362.83	0.89286	4.7619	5.9043	3.0612	20.800
1971	5.9804	7.4919	391.87	0.88061	4.7619	6.4317	3.0507	20.800
1972	5.6414	7.5945	415.00	0.83668	8.6814	6.6748	2.8125	20.800
1973	5.1465	7.7420	415.00	0.73681	9.9942	6.7563	2.4574	20.620
1974	5.0316	8.1016	415.00	0.71540	9.9000	6.7879	2.4369	20.375
1975	4.9352	8.3759	415.00	0.83231	9.9000	7.2479	2.3713	20.379
1976	4.9047	8.9604	415.00	1.00489	9.9000	7.4403	2.4708	20.400
1977	4.6620	8.7386	415.00	1.03031	9.9000	7.4028	2.4394	20.400
1978	4.6837	8.1928	442.05	0.96442	9.9000	7.3658	2.2740	20.336
1979	5.0027	8.1258	623.06	0.97850	9.9000	7.3775	2.1746	20.419
1980	4.9761	7.8629	626.99	1.02668	9.9000	7.5114	2.1412	20.476
1981	5.5893	8.6585	631.76	1.15279	9.9000	7.8996	2.1127	21.820
1982	6.0699	9.4551	661.42	1.33261	11.8475	8.5400	2.1400	23.000
1983	7.2652	10.0989	909.26	1.49677	13.1170	11.1127	2.1130	23.000
1984	7.8180	11.3626	1025.94	1.76399	14.0463	16.6987	2.1331	23.639
1985	7.7907	12.3687	1110.58	2.02337	15.9284	18.6073	2.2001	27.159
1986	7.8033	12.6108	1282.56	1.91316	16.6475	20.3857	2.1774	26.299
1987	7.7983	12.9615	1643.85	1.69456	17.3988	20.5677	2.1060	25.723
1988	7.8060	13.9171	1685.70	1.52640	18.0033	21.0947	2.0124	25.294
1989	7.7999	16.2255	1770.06	1.67215	20.5415	21.7367	2.19503	25.702
1990	7.7897	17.5035	1842.81	1.67620	21.7074	24.3105	1.8125	25.585
1991	7.7712	22.7424	1950.32	1.73351	23.8008	27.4786	1.7276	25.517
1992	7.7406	25.9181	2029.92	1.86179	25.0828	25.5125	1.6290	25.400
1993	7.7356	30.4933	2087.10	1.85051	28.1072	27.1198	1.6158	25.320
1994	7.7284	31.3737	2160.75	1.68652	30.5666	26.4172	1.5274	25.150
1995	7.7358	32.4271	2248.61	1.52388	31.6427	25.7145	1.4174	24.915
1996	7.7343	35.4332	2342.30	1.45485	36.0787	26.2161	1.4100	25.343
1997	7.7421	36.3133	2909.38	1.51242	41.1115	29.4707	1.4848	31.364
1998	7.7453	41.2594	10013.62	1.86825	45.0467	40.8931	1.6736	41.359
1999	7.7575	43.0554	7855.15	1.88961	49.5007	39.0890	1.6950	37.814
2000	7.7912	44.9416	8421.78	2.20115	53.6482	44.1923	1.7240	40.112
2001	7.7987	47.1864	10260.85	2.37875	61.9272	50.9927	1.7917	44.432
2002	7.7989	48.6103	9311.19	2.16219	59.7238	51.6036	1.7906	42.960
2003	7.7868	46.5833	8577.13	1.72210	57.7520	54.2033	1.7422	41.485
2004	7.7880	45.3165	8938.85	1.50868	58.2579	56.0399	1.6902	40.222
2005	7.7773	44.1000	9704.74	1.42027	59.5145	55.0855	1.6644	40.220
2006	7.7678	45.3070	9159.32	1.54206	60.2713	51.3143	1.5889	37.882
2007	7.8014	41.3485	9141.00	1.36068	60.7385	46.1484	1.5071	34.518
2008	7.7868	43.5052	9698.96	1.42273	70.4080	44.3233	1.4149	33.313
2009	7.7517	48.4053	10389.94	1.60088	81.7129	47.6797	1.4545	34.286
2010	7.7692	45.7258	9090.43	1.38783	85.1938	45.1097	1.3635	31.686
2011	7.7840	46.6705	8770.43	1.26581	86.3434	43.3131	1.2578	30.492
2012	7.7564	53.4372	9386.63	1.23428	93.3952	42.2288	1.2497	31.083
2013	7.7560	58.5978	10461.24	1.21941	101.6289	42.4462	1.2513	30.726
2014	7.7541	61.0295	11865.21	1.20543	101.1001	44.3952	1.2670	32.480
2015	7.7517	64.1519	13389.41	1.43398	102.7693	45.5028	1.3748	34.248
2016	7.7623	67.1953	13308.33	1.43652	104.7691	47.4925	1.3815	35.296
2017	7.7932	65.1216	13380.83	1.40741	105.4552	50.4037	1.3809	33.940
2018	7.8385	68.3895	14236.94	1.44526	121.8241	52.6614	1.3488	32.310
2019	7.8359	70.4203	14147.67	1.51788	150.0363	51.7958	1.3642	31.048
2020	7.7572	74.0996	14582.20	1.54206	161.8385	49.6241	1.3797	31.294
2021	7.7732	73.9180	14308.14	1.41380	162.9063	49.2546	1.3435	31.977
2022	7.8314	78.6045	14849.85	1.57718	204.8672	54.4778	1.3787	35.061
2023	7.8296	82.5993	15236.88	1.62843	280.3561	55.6304	1.3428	34.802