

Consumer Price Index (CPI) Conversion Factors 1774 to estimated 2024 to Convert to Dollars of 2009

Estimates for 2014-2024 are based on the average of OMB and CBO estimates as of early 2014. They will be revised in early 2015.

To convert dollars of any year to dollars of the year 2009, DIVIDE the dollar amount from that year by the conversion factor (CF) for that year. For example, \$1000 of 1922 = \$12,821 of 2009 (\$1000 / 0.078).

To reverse the process, that is, to determine what an 2009-dollar amount would be in dollars of another year, simply **MULTIPLY** the year 2009 amount by the conversion factor for that year. For example, \$1000 of 2008 would be about \$65 in 1940 (\$1000 x 0.065 = \$65).

Data series since 1912 have changed periodically, so numbers are not all precisely comparable. Therefore it is recommended that numbers be **ROUNDED** to four (or, more cautious, three) significant digits. So, \$12,821 in the example above becomes \$12,820 or \$12,800. For years prior to 1913, rounding to three (or more cautious, two) significant digits is recommended, e.g. \$12,821 becomes \$12,800, or \$13,000.

Year	CF	Year	CF	Year	CF	Year	CF	Year	CF	Year	CF	Year	CF
1774	0.038	1814	0.082	1854	0.039	1894	0.040	1934	0.062	1974	0.230	2014	1.104
1775	0.036	1815	0.072	1855	0.041	1895	0.039	1935	0.064	1975	0.251	2015	1.126
1776	0.041	1816	0.066	1856	0.040	1896	0.039	1936	0.065	1976	0.265	2016	1.149
1777	0.049	1817	0.062	1857	0.041	1897	0.039	1937	0.067	1977	0.282	2017	1.175
1778	0.064	1818	0.059	1858	0.038	1898	0.039	1938	0.066	1978	0.304	2018	1.202
1779	0.057	1819	0.059	1859	0.039	1899	0.039	1939	0.065	1979	0.338	2019	1.231
1780	0.064	1820	0.055	1860	0.039	1900	0.039	1940	0.065	1980	0.384	2020	1.259
1781	0.052	1821	0.053	1861	0.041	1901	0.040	1941	0.069	1981	0.424	2021	1.289
1782	0.056	1822	0.055	1862	0.047	1902	0.040	1942	0.076	1982	0.450	2022	1.319
1783	0.049	1823	0.049	1863	0.059	1903	0.041	1943	0.081	1983	0.464	2023	1.350
1784	0.048	1824	0.045	1864	0.073	1904	0.041	1944	0.082	1984	0.484	2024	1.382
1785	0.045	1825	0.046	1865	0.076	1905	0.041	1945	0.084	1985	0.502		
1786	0.044	1826	0.046	1866	0.074	1906	0.042	1946	0.091	1986	0.511		
1787	0.043	1827	0.047	1867	0.069	1907	0.044	1947	0.104	1987	0.530		
1788	0.041	1828	0.044	1868	0.066	1908	0.043	1948	0.112	1988	0.551		
1789	0.041	1829	0.043	1869	0.063	1909	0.042	1949	0.111	1989	0.578		
1790	0.043	1830	0.043	1870	0.061	1910	0.044	1950	0.112	1990	0.609		
1791	0.044	1831	0.041	1871	0.057	1911	0.044	1951	0.121	1991	0.635		
1792	0.045	1832	0.040	1872	0.057	1912	0.045	1952	0.124	1992	0.654		
1793	0.046	1833	0.039	1873	0.056	1913	0.046	1953	0.124	1993	0.674		
1794	0.051	1834	0.040	1874	0.053	1914	0.047	1954	0.125	1994	0.691		
1795	0.059	1835	0.041	1875	0.051	1915	0.047	1955	0.125	1995	0.710		
1796	0.062	1836	0.043	1876	0.050	1916	0.051	1956	0.127	1996	0.731		
1797	0.059	1837	0.045	1877	0.049	1917	0.060	1957	0.131	1997	0.748		
1798	0.057	1838	0.043	1878	0.047	1918	0.070	1958	0.135	1998	0.760		
1799	0.057	1839	0.043	1879	0.047	1919	0.081	1959	0.136	1999	0.777		
1800	0.059	1840	0.041	1880	0.048	1920	0.093	1960	0.138	2000	0.803		
1801	0.059	1841	0.041	1881	0.048	1921	0.083	1961	0.139	2001	0.825		
1802	0.050	1842	0.038	1882	0.048	1922	0.078	1962	0.141	2002	0.839		
1803	0.053	1843	0.034	1883	0.047	1923	0.080	1963	0.143	2003	0.858		
1804	0.055	1844	0.035	1884	0.046	1924	0.080	1964	0.144	2004	0.881		
1805	0.055	1845	0.035	1885	0.045	1925	0.082	1965	0.147	2005	0.910		
1806	0.057	1846	0.036	1886	0.044	1926	0.083	1966	0.151	2006	0.940		
1807	0.054	1847	0.038	1887	0.044	1927	0.081	1967	0.156	2007	0.966		
1808	0.059	1848	0.037	1888	0.044	1928	0.080	1968	0.162	2008	1.004		
1809	0.057	1849	0.036	1889	0.043	1929	0.080	1969	0.171	2009	1.000		
1810	0.057	1850	0.036	1890	0.042	1930	0.078	1970	0.181	2010	1.016		
1811	0.061	1851	0.036	1891	0.042	1931	0.071	1971	0.189	2011	1.048		
1812	0.062	1852	0.036	1892	0.042	1932	0.064	1972	0.195	2012	1.070		
1813	0.075	1853	0.036	1893	0.042	1933	0.061	1973	0.207	2013	1.086		

Revised April 10, 2014, using final 2013 CPI (2.32957) and OMB and CBO inflation estimates for 2014-2024 as of early 2014. For inflation assumptions for 2014 and later years, see the shaded box below.

CPI is CPI-U, the broader measure for all urban consumers, year-to-year average (not December to December).

Conversion factors for years before 1913 are re-based from data from the *Historical Statistics of the United States Millennial Edition* (Cambridge University Press, 2006). Calculation starting 1913 uses the CPI-U as the base, from the US Bureau of Labor Statistics. Monthly and annual CPI data are available at the BLS web site: <http://stats.bls.gov/cpi/home.htm#data> (CPI-U = all urban consumers).

Inflation assumptions: Inflation conversion factors for 2014 and later years assume 1.65% inflation in 2014, 2.00% in 2015, 2.10% in 2016, 2.20% in 2017, and 2.35% in each year 2018 to 2024. These are averages of OMB and CBO inflation estimates as of January (CBO) and March (OMB) 2014.

CF denominated in years 1995 to estimated 2014 in Excel and pdf formats for 1774 to estimated 2024 are available at the online address stated below.

Prior to the 2008 revision, a different data base was used for the period starting 1665 and ending 1913. See the main inflation conversion factor page for details.

The address of the inflation conversion factor web page is <http://oregonstate.edu/cla/polisci/sahr/sahr>.