

Consumer Price Index (CPI) Conversion Factors 1774 to estimated 2018 to Convert to 1982-1984 (CPI)

Estimates for 2008-2018 are based on the average of OMB and CBO estimates as of early 2008. They will be revised February 2009.

The current base for the Consumer Price Index (CPI) is 1982-1984, so this provides conversion factors for the CPI base

To convert dollars of any year to dollars of the CPI base 1982-1984, **DIVIDE** the dollar amount from that year by the conversion factor (CF) for that year. For example, \$1000 of 1925 = \$5,714 of CPI base period (\$1000 / 0.175).

Data series since 1912 have changed periodically, so numbers are not all precisely comparable. Therefore it is recommended that numbers be **ROUNDED** to no more than three decimal places. For example, \$5,714 in the example above becomes \$5,710. For years prior to 1913, rounding to two decimal places is recommended, e.g. \$5,714 becomes \$5,700.

Note: To reverse the process, that is, to determine what a CPI-base-dollar amount would be in dollars of another year, simply multiply the CPI amount by the conversion factor for that year. For example, \$1000 of the CPI base period would be about \$140 in 1940 (\$1000 x 0.140 = \$140), again rounded to 3 or 2 decimal places.

Year	CF	Year	CF	Year	CF	Year	CF	Year	CF	Year	CF	Year	CF
1774	0.081	1814	0.176	1854	0.084	1894	0.086	1934	0.134	1974	0.493	2014	2.432
1775	0.077	1815	0.154	1855	0.087	1895	0.084	1935	0.137	1975	0.538	2015	2.486
1776	0.087	1816	0.141	1856	0.085	1896	0.084	1936	0.139	1976	0.569	2016	2.541
1777	0.106	1817	0.133	1857	0.087	1897	0.083	1937	0.144	1977	0.606	2017	2.597
1778	0.138	1818	0.127	1858	0.082	1898	0.083	1938	0.141	1978	0.652	2018	2.654
1779	0.122	1819	0.127	1859	0.083	1899	0.083	1939	0.139	1979	0.726		
1780	0.137	1820	0.117	1860	0.083	1900	0.084	1940	0.140	1980	0.824		
1781	0.111	1821	0.113	1861	0.088	1901	0.085	1941	0.147	1981	0.909		
1782	0.121	1822	0.117	1862	0.101	1902	0.086	1942	0.163	1982	0.965		
1783	0.106	1823	0.105	1863	0.126	1903	0.088	1943	0.173	1983	0.996		
1784	0.102	1824	0.097	1864	0.157	1904	0.089	1944	0.176	1984	1.039		
1785	0.097	1825	0.099	1865	0.163	1905	0.088	1945	0.180	1985	1.076		
1786	0.095	1826	0.099	1866	0.159	1906	0.090	1946	0.195	1986	1.096		
1787	0.093	1827	0.100	1867	0.148	1907	0.094	1947	0.223	1987	1.136		
1788	0.089	1828	0.095	1868	0.142	1908	0.092	1948	0.241	1988	1.183		
1789	0.088	1829	0.093	1869	0.136	1909	0.091	1949	0.238	1989	1.240		
1790	0.092	1830	0.092	1870	0.131	1910	0.095	1950	0.241	1990	1.307		
1791	0.094	1831	0.087	1871	0.122	1911	0.095	1951	0.260	1991	1.362		
1792	0.096	1832	0.086	1872	0.122	1912	0.097	1952	0.265	1992	1.403		
1793	0.099	1833	0.084	1873	0.120	1913	0.099	1953	0.267	1993	1.445		
1794	0.110	1834	0.086	1874	0.114	1914	0.100	1954	0.269	1994	1.482		
1795	0.126	1835	0.088	1875	0.110	1915	0.101	1955	0.268	1995	1.524		
1796	0.132	1836	0.093	1876	0.107	1916	0.109	1956	0.272	1996	1.569		
1797	0.127	1837	0.096	1877	0.105	1917	0.128	1957	0.281	1997	1.605		
1798	0.123	1838	0.093	1878	0.100	1918	0.151	1958	0.289	1998	1.630		
1799	0.123	1839	0.093	1879	0.100	1919	0.173	1959	0.291	1999	1.666		
1800	0.126	1840	0.087	1880	0.102	1920	0.200	1960	0.296	2000	1.722		
1801	0.127	1841	0.087	1881	0.102	1921	0.179	1961	0.299	2001	1.771		
1802	0.107	1842	0.082	1882	0.102	1922	0.168	1962	0.302	2002	1.799		
1803	0.113	1843	0.074	1883	0.101	1923	0.171	1963	0.306	2003	1.840		
1804	0.118	1844	0.075	1884	0.098	1924	0.171	1964	0.310	2004	1.889		
1805	0.117	1845	0.076	1885	0.097	1925	0.175	1965	0.315	2005	1.953		
1806	0.122	1846	0.077	1886	0.094	1926	0.177	1966	0.324	2006	2.016		
1807	0.116	1847	0.082	1887	0.095	1927	0.174	1967	0.334	2007	2.073		
1808	0.126	1848	0.079	1888	0.095	1928	0.171	1968	0.348	2008	2.131		
1809	0.123	1849	0.077	1889	0.092	1929	0.171	1969	0.367	2009	2.178		
1810	0.123	1850	0.078	1890	0.091	1930	0.167	1970	0.388	2010	2.227		
1811	0.131	1851	0.077	1891	0.091	1931	0.152	1971	0.405	2011	2.277		
1812	0.133	1852	0.077	1892	0.091	1932	0.137	1972	0.418	2012	2.328		
1813	0.160	1853	0.077	1893	0.090	1933	0.130	1973	0.444	2013	2.380		

Revised April 1, 2008, using final 2007 CPI (CPI = 2.07342) and the average of early-2008 OMB and CBO inflation estimates for 2008 and later years. For inflation assumptions for 2008 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 2008 and later years assume 2.8% in 2008, 2.2% in 2009, 2.25% each year 2010 to 2013, and 2.2% each year 2014 to 2018. Estimates 2008-2013 are the average of OMB and CBO inflation estimates for each year as of early 2008; 2014-2018 are only from CBO because OMB did not project past 2013 in its 2009 Budget proposals.

CF denominated in years 1995 to estimated 2008 in Excel format starting 1774 are available at: <http://oregonstate.edu/cla/polisci/faculty-research/sahr/infc17742007.xls>
 CF denominated in years 1995 to estimated 2008 in pdf format starting 1774 are available at: <http://oregonstate.edu/cla/polisci/faculty-research/sahr/infc17742007.pdf>
 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 detail