

Consumer Price Index (CPI) Conversion Factors 1774 to estimated 2019 to Convert to Estimated Dollars of 2009

Estimates for 2009-2019 are based on the average of OMB and CBO estimates as of early 2009. They will be revised February 2010.

Recommendation: Because these data are only ESTIMATES as of early 2009, use FINAL 2008 data unless 2009 (estimated) data are essential.

To convert dollars of any year to estimated 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 = \$12,658 of estimated 2008 ($\$1000 / 0.079$).

To reverse the process, that is, to determine what an estimated 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 \times 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 no more than three decimal places. For example, \$12,658 in the example above becomes \$12,660. For years prior to 1913, rounding to two decimal places is recommended, e.g. \$12,658 becomes \$12,700.

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	0.063	1974	0.230	2014	1.082
1775	0.036	1815	0.072	1855	0.041	1895	0.039	1935	0.064	1975	0.252	2015	1.100
1776	0.041	1816	0.066	1856	0.040	1896	0.039	1936	0.065	1976	0.266	2016	1.118
1777	0.050	1817	0.062	1857	0.041	1897	0.039	1937	0.067	1977	0.283	2017	1.136
1778	0.065	1818	0.059	1858	0.038	1898	0.039	1938	0.066	1978	0.305	2018	1.155
1779	0.057	1819	0.059	1859	0.039	1899	0.039	1939	0.065	1979	0.339	2019	1.174
1780	0.064	1820	0.055	1860	0.039	1900	0.039	1940	0.065	1980	0.385		
1781	0.052	1821	0.053	1861	0.041	1901	0.040	1941	0.069	1981	0.425		
1782	0.057	1822	0.055	1862	0.047	1902	0.040	1942	0.076	1982	0.451		
1783	0.050	1823	0.049	1863	0.059	1903	0.041	1943	0.081	1983	0.466		
1784	0.048	1824	0.045	1864	0.073	1904	0.042	1944	0.082	1984	0.486		
1785	0.045	1825	0.046	1865	0.076	1905	0.041	1945	0.084	1985	0.503		
1786	0.044	1826	0.046	1866	0.074	1906	0.042	1946	0.091	1986	0.512		
1787	0.043	1827	0.047	1867	0.069	1907	0.044	1947	0.104	1987	0.531		
1788	0.042	1828	0.044	1868	0.066	1908	0.043	1948	0.113	1988	0.553		
1789	0.041	1829	0.043	1869	0.064	1909	0.043	1949	0.111	1989	0.580		
1790	0.043	1830	0.043	1870	0.061	1910	0.044	1950	0.113	1990	0.611		
1791	0.044	1831	0.041	1871	0.057	1911	0.044	1951	0.122	1991	0.637		
1792	0.045	1832	0.040	1872	0.057	1912	0.045	1952	0.124	1992	0.656		
1793	0.046	1833	0.039	1873	0.056	1913	0.046	1953	0.125	1993	0.676		
1794	0.051	1834	0.040	1874	0.053	1914	0.047	1954	0.126	1994	0.693		
1795	0.059	1835	0.041	1875	0.051	1915	0.047	1955	0.125	1995	0.712		
1796	0.062	1836	0.043	1876	0.050	1916	0.051	1956	0.127	1996	0.734		
1797	0.059	1837	0.045	1877	0.049	1917	0.060	1957	0.131	1997	0.750		
1798	0.058	1838	0.043	1878	0.047	1918	0.071	1958	0.135	1998	0.762		
1799	0.058	1839	0.043	1879	0.047	1919	0.081	1959	0.136	1999	0.779		
1800	0.059	1840	0.041	1880	0.048	1920	0.094	1960	0.138	2000	0.805		
1801	0.059	1841	0.041	1881	0.048	1921	0.084	1961	0.140	2001	0.828		
1802	0.050	1842	0.038	1882	0.048	1922	0.079	1962	0.141	2002	0.841		
1803	0.053	1843	0.035	1883	0.047	1923	0.080	1963	0.143	2003	0.860		
1804	0.055	1844	0.035	1884	0.046	1924	0.080	1964	0.145	2004	0.883		
1805	0.055	1845	0.036	1885	0.045	1925	0.082	1965	0.147	2005	0.913		
1806	0.057	1846	0.036	1886	0.044	1926	0.083	1966	0.151	2006	0.942		
1807	0.054	1847	0.038	1887	0.044	1927	0.081	1967	0.156	2007	0.969		
1808	0.059	1848	0.037	1888	0.044	1928	0.080	1968	0.163	2008	1.007		
1809	0.058	1849	0.036	1889	0.043	1929	0.080	1969	0.172	2009	1.000		
1810	0.058	1850	0.036	1890	0.043	1930	0.078	1970	0.181	2010	1.015		
1811	0.061	1851	0.036	1891	0.043	1931	0.071	1971	0.189	2011	1.030		
1812	0.062	1852	0.036	1892	0.043	1932	0.064	1972	0.195	2012	1.047		
1813	0.075	1853	0.036	1893	0.042	1933	0.061	1973	0.208	2013	1.064		

Revised June 3, 2009, using final 2008 CPI (CPI = 2.15303) and OMB and CBO Spring 2009 inflation estimates for 2009-2019. For inflation assumptions for 2009 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 2009 and later years assume inflation of -0.65% in 2009, 1.50% in 2010 and 2011; 1.60% in 2012; and 1.65% each year 2013 to 2019. These are the averages of OMB and CBO inflation estimates for each year as of March 2009.

CF denominated in years 1995 to estimated 2009 in Excel format starting 1774 are available at: <http://oregonstate.edu/cla/polisci/faculty-research/sahr/infcf17742008.xls>

CF denominated in years 1995 to estimated 2009 in pdf format starting 1774 are available at: <http://oregonstate.edu/cla/polisci/faculty-research/sahr/infcf17742008.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 details.

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