

**Consumer Price Index (CPI) Conversion Factors to Convert to 2007 Dollars**  
**Using the CPI-U-X1 series, which applies the post-1982 CPI to 1950-1982**  
**(should be used when exact comparisons are needed between years during the period starting 1950)**

To convert dollars of a year to 2007 dollars, divide the dollar amount of that year by the conversion factor (CF) for that year  
 For example, \$1000 dollars of 1953 = \$7143 dollars of 2007 (\$1000 / 0.140)  
**It is recommended that numbers be rounded to no more than three decimal places, so \$7143 becomes \$714**

**Note:** To reverse the process, that is, to determine what a 2007-dollar figure would be in the dollars of another year, simply multiply the 2007 figure by the conversion factor of that year. For example, \$1000 2007 dollars would be about \$126 in 1950 (\$1000 x 0.126 = 126), again rounded to 3 decimal places (here, \$130).

**Note:** If all years to be converted are after 1982, use either CPI-U-X1 or CPI-U, which are the same starting 1983.

Year	CF	Year	CF	Year	CF	Year	CF	Year	CF	Year	CF
1950	0.126	1962	0.158	1974	0.250	1985	0.519	1997	0.774	2009	1.051
1951	0.137	1963	0.161	1975	0.271	1986	0.529	1998	0.786	2010	1.074
1952	0.139	1964	0.163	1976	0.287	1987	0.548	1999	0.804	2011	1.098
1953	0.140	1965	0.165	1977	0.305	1988	0.571	2000	0.831	2012	1.123
1954	0.141	1966	0.170	1978	0.326	1989	0.598	2001	0.854	2013	1.148
1955	0.140	1967	0.175	1979	0.357	1990	0.630	2002	0.868	2014	1.173
1956	0.143	1968	0.182	1980	0.397	1991	0.657	2003	0.888	2015	1.199
1957	0.147	1969	0.190	1981	0.435	1992	0.677	2004	0.911	2016	1.226
1958	0.151	1970	0.199	1982	0.461	1993	0.697	2005	0.942	2017	1.253
1959	0.152	1971	0.208	CPI-U = CPI-U-X1		1994	0.715	2006	0.973	2018	1.280
1960	0.155	1972	0.214	1983	0.480	1995	0.735	2007	1.000		
1961	0.157	1973	0.228	1984	0.501	1996	0.757	2008	1.028		

Revised April 2, 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-X1, which applies the post-1982 CPI methods to the period 1950 to 1982.  
 By definition, CPI-U-X1 equals CPI-U starting in 1983, so the conversion factors are the same.

**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.

The 1983 changes reduced the inflation rate by changing the way costs of home ownership are measured.  
 For reference, the following lists yearly inflation rate 1970 to 1985 using the CPI and the CPI-U-X1 series,  
 which applies the 1983 measure to the period 1950 to 1982.

	CPI		Difference (CPI minus X1)		
	CPI	CPI-U-X1	Inflation	X1 Inflation	
1970	38.8	41.3	5.7	4.8	0.9
1971	40.5	43.1	4.4	4.4	0.0
1972	41.8	44.4	3.2	3.0	0.2
1973	44.4	47.2	6.2	6.3	-0.1
1974	49.3	51.9	11.0	10.0	1.0
1975	53.8	56.2	9.1	8.3	0.8
1976	56.9	59.4	5.8	5.7	0.1
1977	60.6	63.2	6.5	6.4	0.1
1978	65.2	67.5	7.6	6.8	0.8
1979	72.6	74.0	11.3	9.6	1.7
1980	82.4	82.3	13.5	11.2	2.3
1981	90.9	90.1	10.3	9.5	0.8
1982	96.5	95.6	6.2	6.1	0.0
1983	99.6	99.6	3.2	4.2	-1.0

Starting 1983, CPI = CPI-U-X1, but comparing changes between 1982 and 1983 price levels in CPI and CPI-U-X1 results in different rates of inflation for 1983.

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 details.