

Consumer Price Index (CPI) Conversion Factors to Convert to 2007 Dollars

Using the CPI-U-RS series, an experimental CPI measure

It can be used when exact comparisons are needed between years during the period starting 1947 as an alternative to CPI-U-X1

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 1947 = \$7936 dollars of 2007 ($\$1000 / 0.126$). Suggest rounding to \$7940.

As shown here, it is recommended that numbers be **ROUNDED** to no more than three decimal places.

Year	CF	Year	CF	Year	CF	Year	CF	Year	CF
1947	0.126	1960	0.167	1973	0.245	1986	0.554	1999	0.804
1948	0.136	1961	0.169	1974	0.270	1987	0.573	2000	0.831
1949	0.134	1962	0.170	1975	0.292	1988	0.594	2001	0.854
1950	0.136	1963	0.173	1976	0.309	1989	0.619	2002	0.868
1951	0.147	1964	0.175	1977	0.328	1990	0.650	2003	0.887
1952	0.149	1965	0.178	1978	0.343	1991	0.674	2004	0.911
1953	0.151	1966	0.183	1979	0.376	1992	0.691	2005	0.942
1954	0.152	1967	0.189	1980	0.417	1993	0.708	2006	0.972
1955	0.151	1968	0.196	1981	0.457	1994	0.723	2007	1.000
1956	0.153	1969	0.205	1982	0.485	1995	0.740		
1957	0.159	1970	0.214	1983	0.505	1996	0.760		
1958	0.163	1971	0.224	1984	0.526	1997	0.776		
1959	0.164	1972	0.231	1985	0.544	1998	0.787		

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 1947 ($\1000×0.126).

Revised May 7, 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.

Conversion factors for the experimental CPI [CPI-U-RS] are supplied for the years 1947 to 2007. It can be used in place of CPI-U-X1 for careful comparison over years starting in 1947. However, there are limits as well as strengths to this experimental measure. (See http://stats.bls.gov/cpi/cpiurs1978_2007.pdf for additional information.)

Note: Historical CPI-U-RS is revised each year, so earlier-year data can change with yearly revision. CPI-U-RS reflects estimated CPI-U-RS data, from BLS, *Updated CPI-U-RS*, March 2008, available at http://stats.bls.gov/cpi/cpiurs1978_2007.pdf, re-based here from 1977 to 2007.

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 Census Bureau uses the Bureau of Labor Statistics' experimental Consumer Price Index (CPI-U-RS) starting 1977. The Census Bureau derived the CPI-U-RS for years before 1977 by applying the 1977 CPI-U-RS-to-CPI-U ratio to the 1947 to 1976 CPI-U. This is available at <http://www.census.gov/hhes/www/income/income04/cpiurs.html>

CF denominated in years 1995 to estimated 2008 in Excel format starting 1774 are available at <http://oregonstate.edu/cla/polisci/faculty-research/sahr/infcf17742007.xls>

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

Robert Sahr, Political Science Department, Oregon State University, Corvallis, OR 97331-6206; e-mail: Robert.Sahr@oregonstate.edu; WWW: oregonstate.edu/cla/polisci/faculty/sahr-robert.

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