

Miscellaneous conversion factors

To convert from	To	Multiply by	To convert from	To	Multiply by
Atmospheres	cm of Hg at 0 °C	76	Inches	mils	1000
Atmospheres	gm/cm ²	1033.3	Inches of Hg at 32 °C	atmospheres	0.033421
Atmospheres	inches of Hg at 32 °F	29.921	Inches of Hg at 32 °C	feet of water at 39.1 °F	1.13299
Atmospheres	lb/in. ²	14.696	Inches of water at 39.2 °F	inches of Hg	0.073554
Btu	calories (gram)	3.968 x 10 ⁻³	Kilograms	ounces (avoir.)	35.274
Calories, gram	angstrom units	252	Kilograms	pounds (avoir.)	2.2046
Centimeters	feet	1 x 10 ⁶	Liters	cubic feet	0.035316
Centimeters	cubic inches	0.032808	Liters	gallons (U.S.)	0.2642
Cubic cm	gallons (U.S.)	0.061023	Liters	ounces (U.S. fluid)	33.81343
Cubic cm	ounces (U.S.)	2.6417 x 10 ⁻⁴	Liters	pints (U.S. fluid)	2.11336
Cubic cm	pints (U.S. fluid)	0.033814	Liters	quarts (U.S. fluid)	1.05668
Cubic cm	pints (U.S. fluid)	0.0021134	Meters	angstrom units	1 x 10 ¹⁰
Cubic ft	cubic cm	28317	Meters	feet (U.S.)	3.28083
Cubic ft	cubic meters	0.02832	Meters	inches (U.S.)	39.3700
Cubic ft	gallons (U.S.)	7.481	Meters	angstrom units	1 x 10 ⁴
Cubic ft	liters	28.316	Microns	inches	3.937 x 10 ⁻⁵
Cubic in. (U.S.)	cubic cm	16.3872	Microns	millimeters	0.001
Cubic in. (U.S.)	liters	0.016387	Microns	mils	0.03937
Cubic yd (U.S.)	cubic meters	0.7646	Millimeters	inches (U.S.)	0.03937
Cubic yd of sand	pounds	2700	Millimeters	microns	1000
Feet (U.S.)	centimeters	30.48	Millimeters	mils	39.37
Feet (U.S.)	meters	0.3048	Ounces (avoir.)	grams	28.3495
Gallons (U.S.)	cubic centimeters	3785.4	Ounces (U.S. fluid)	cubic cm	29.5737
Gallons (U.S.)	cubic feet	0.13368	Ounces (U.S. fluid)	cubic in.	1.8047
Gallons (U.S.)	cubic inches	231	Ounces (U.S. fluid)	liters	0.02957
Gallons (U.S.)	liters	3.7854	Pints (U.S. liquid)	cubic cm	473.179
Grams	ounces (avoir.)	0.03527	Pints (U.S. liquid)	liters	0.473168
Grams	pounds (avoir.)	0.002205	Pounds (avoir.)	grams	453.5924
Horsepower	Btu (mean)/min	42.418	Square cm	square in.	0.1550
Horsepower	calories, log (mean)/min	10.688	Square in. (U.S.)	square cm	6.5416
Inches (U.S.)	angstrom units	2.5400 x 10 ⁸	Years (leap)	hours	8784

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