

## METRIC CONVERSION FACTORS

To convert:	Into:	Multiply by:
Atmospheres	Dynes per cm <sup>2</sup>	1.0132 x 10 <sup>6</sup>
Atmospheres	Kilograms per square meter	1.0332 x 10 <sup>4</sup>
Atmospheres	Millimeters of mercury at 0°C	760
Atmospheres	Newton's per square meter	1.0133 x 10 <sup>5</sup>
British thermal units (Btu)	Kilogram-calories	0.2520
Centimeters	Feet	3.281 x 10 <sup>2</sup>
Centimeters	Inches	0.3937
Centimeters	Mils (10 <sup>3</sup> in.)	393.7
Centimeters per second	Feet per minute	1.969
Centimeters per second per second	Feet per second per second	3.281 x 10 <sup>2</sup>
Circular mils	Square centimeters	5.067 x 10 <sup>6</sup>
Cubic inches	Cubic centimeters	16.39
Cubic inches	Cubic meters	1.639 x 10 <sup>5</sup>
Cubic inches	Liters	1.639 x 10 <sup>2</sup>
Degrees Fahrenheit	Degrees centigrade	°C = 5/9 (°F - 32)
Dynes	Pounds	2.248 x 10 <sup>6</sup>
Dyne-centimeters	Pounds-feet	7.376 x 10 <sup>8</sup>
Grams	Ounces (avoir.)	3.527 x 10 <sup>2</sup>
Grams per cm <sup>3</sup>	Pounds per ft <sup>3</sup>	62.43
Gram-cm <sup>2</sup>	Pound-ft <sup>2</sup>	2.37285 x 10 <sup>6</sup>
Gram-cm <sup>2</sup>	Slug-ft <sup>2</sup>	7.37507 x 10 <sup>8</sup>
Inches	Centimeters	2.540
Joules (int.)	Foot-pounds	0.7376
Kilograms	Pounds	2.205
Kilogram-calories	Foot-pounds	3.088
Kilometers	Feet	3.281
Liters	Gallons (U.S. liquid)	0.2642
Meters	Yards	1.094
Meters per second	Feet per second	3.28
Newton meters	Pound-feet	0.7376
Ounces (avoir.)	Grams	28.35
Pints (liquid)	Liters	0.4732
Pounds (avoir.)	Grams	453.6
Square Centimeters	Square feet	1.076 x 10 <sup>3</sup>
Square Centimeters	Square inches	0.1550
Square feet	Square meters	0.09290