

Conversion Factors

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| To Convert | Into | Multiply By |
|------------------------|------------------------|-------------------------|
| gallons | cu cms (mL) | 3,785.0 |
| gallons | cu feet | 0.1337 |
| gallons | cu inches | 231.0 |
| gallons | cu meters | 3.785×10^{-3} |
| gallons | cu yards | 4.951×10^{-3} |
| gallons | liters | 3.785 |
| gallons (liq Br. Imp.) | gallons (U.S. liq) | 1.20095 |
| gallons (U.S.) | gallons (Imp.) | 0.83267 |
| gallons of water | pounds of water | 8.3453 |
| gallons/min | cu ft/sec | 2.228×10^{-3} |
| gallons/min | liters/sec | 0.06308 |
| gallons/min | cu ft/hr | 8.0208 |
| gausses | lines/sq in | 6.452 |
| gausses | webers/sq cm | 10^{-8} |
| gausses | webers/sq in | 6.452×10^{-4} |
| gausses | webers/sq meter | 10^{-4} |
| gilberts | ampere-turns | 0.7958 |
| gilberts/cm | amp-turns/cm | 0.7958 |
| gilberts/cm | amp-turns/in | 2.021 |
| gilberts/cm | amp-turns/meter | 79.58 |
| Gills (British) | cubic cm (mL) | 142.07 |
| gills | liters | 0.1183 |
| gills | pints (liq) | 0.25 |
| Grade | Radian | 0.01571 |
| Grains | drams (avoirdupois) | 0.03657143 |
| grains (troy) | grains (avdp) | 1.0 |
| grains (troy) | grams | 0.06480 |
| grains (troy) | ounces (avdp) | 2.0833×10^{-3} |
| grains (troy) | pennyweight (troy) | 0.04167 |
| grains/U.S. gal | parts/million | 17.118 |
| grains/U.S. gal | pounds/million gal | 142.86 |
| grains/Imp. gal | parts/million | 14.286 |
| grams | dynes | 980.7 |
| grams | grains | 15.43 |
| grams | joules/cm | 9.807×10^{-5} |
| grams | joules/meter (newtons) | 9.807×10^3 |
| grams | kilograms | 0.001 |
| grams | milligrams | 1,000.0 |
| grams | ounces (avdp) | 0.03527 |
| grams | ounces (troy) | 0.03215 |
| grams | poundals | 0.07093 |
| grams | pounds | 2.205×10^{-3} |
| grams/cm | pounds/inch | 5.600×10^{-3} |
| grams/cu cm | pounds/cu ft | 62.43 |
| grams/cu cm | pounds/cu in | 0.03613 |
| grams/cu cm | pounds/mil-foot | 3.405×10^{-7} |
| grams/liter | grains/gal | 58.417 |
| grams/liter | pounds/1,000 gal | 8.345 |
| grams/liter | pounds/cu ft | 0.062427 |
| grams/liter | parts/million | 1,000.0 |
| grams/sq cm | pounds/sq ft | 2.0481 |
| gram-calories | Btu | 3.9683×10^{-3} |
| gram-calories | ergs | 4.1868×10^7 |
| gram-calories | foot-pounds | 3.0880 |
| gram-calories | horsepower/hrs | 1.5596×10^{-6} |
| gram-calories | kilowatt-hrs | 1.1630×10^{-6} |
| gram-calories | watt-hrs | 1.1630×10^{-3} |
| gram/calories/sec | Btu/hr | 14.286 |
| gram-centimeters | Btu | 9.297×10^{-8} |
| gram-centimeters | ergs | 980.7 |
| gram-centimeters | joules | 9.807×10^{-5} |
| gram-centimeters | kg-cal | 2.343×10^{-8} |
| gram-centimeters | kg-meters | 10^{-5} |