

Table of Conversion Factors

Multiply	by	To Obtain	Multiply	by	To Obtain	Multiply	by	To Obtain
Amperes/sq. ft.	0.108	amperes/sq. dm.	Grains	0.0648	grams	Ounces (avoir.)	0.911	ounces (troy)
Ampere/hours	3600	coulombs	Grains	0.0023	ounces (avoir.)	Ounces (avoir.)	18.23	pennyweights
Amperes/sq. dm.	9.29	amperes/sq. ft.	Grains	0.0021	ounces (troy)	Ounces (avoir.)	0.076	pounds (troy)
Angstrom units	1×10 ⁴	microns	Grains	0.0417	pennyweights (troy)	Ounces/gallon (avoir.)	7.5	grams/liter
Centimeters	0.394	inches	Grams	15.43	grains	Ounces (troy)	480	grains
Centimeters	393.7	mils	Grams	1000	milligrams	Ounces (troy)	31.1	grams
Centimeters	0.0328	feet	Grams	0.0353	ounces (avoir.)	Ounces (troy)	1.097	ounces (avoir.)
Cubic centimeters	3.53×10 ⁵	cubic feet	Grams	0.0321	ounces (troy)	Ounces (troy)	20	pennyweights
Cubic centimeters	0.061	cubic inches	Grams	0.643	pennyweights	Ounces/gallon (troy)	8.2	grams/liter
Cubic centimeters	2.64×10 ⁴	gallons	Grams/liter	0.122	ounces/gallon (troy)	Ounces (fluid)	29.57	cubic centimeters
Cubic centimeters	0.0338	ounces (fluid)	Grams/liter	1.335	ounces/gallon (avoir.)	Ounces/gallon (fluid)	7.81	cc/liter
Cubic feet	28317	cubic centimeters	Grams/liter	1000	parts per million	Pennyweights	24	grains
Cubic feet	1728	cubic inches	Grams/liter	2.44	pennyweights/gallon	Pennyweights	1.56	grams
Cubic feet	7.48	gallons	Grams/liter	0.833	pounds (avoir.)/100 gal.	Pennyweights/gallon	0.41	grams/liter
Cubic feet of water 60°F	62.37	pounds	Inches	2.54	centimeters	Pints	16	ounces (fluid)
Cubic inches	16.39	cubic centimeters	Inches	1000	mils	Pounds (avoir.)	453.6	grams
Faradays	9.65×10 ⁴	coulombs	Kilograms	1000	grams	Pounds (avoir.)	16	ounces (avoir.)
Faraday/second	96500	amperes	Kilograms	2.205	pounds (avoir.)	Pounds (avoir.)	14.58	ounces (troy)
Feet	30.48	centimeters	Kilograms	2.679	pounds (troy)	Pounds (avoir.)	1.215	pounds (troy)
Feet	12	inches	Liters	1000	milliliters	Pounds (troy)	373.24	grams
Feet	0.3048	meters	Liters	0.264	gallons	Pounds (troy)	12	ounces (troy)
Gallons	4	quarts (liquid)	Meters	100	centimeters	Pounds (troy)	0.823	pounds (avoir.)
Gallons	3785.4	cubic centimeters	Meters	39.37	inches	Pounds (avoir.)/100 gal.	1.2	grams/liter
Gallons (U.S.)	231	cubic inches	Microns	3.9×10 ⁵	inches	Quarts (liquid)	946.4	cubic centimeters
Gallons (U.S.)	3.785	liters	Milligrams	0.001	grams	Quarts (liquid)	2	pints
Gallons (U.S.)	128	ounces (fluid)	Milliliters	1.000027	cubic centimeters	Square feet	929.23	square centimeters
Gallons (U.S.)	8	pints	Mils	0.001	inches	Square feet	144	square inches
Gallons (U.S.)	8.34	pounds (av.)	Mils	25.4	microns	Square inches	6.45	square centimeters
Gallons (U.S.)	0.833	of H ₂ O at 62°F	Ounces (avoir.)	437.5	grains			
Gallons (U.S.)		gallons (British)	Ounces (avoir.)	28.35	grams			

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