CONVERSION FACTORS

TO CONVERT . . .	INTO . . .	MULTIPLY BY . . .
A		
acres	sq feet	43,560.0
acres	sq miles	1.562×10^{-3}
acres	sq yards	4,840.
acre-feet	cu feet	43,560.0
acre-foot (U.S. survey)	metre^3 (m^3)	1.233×10^3
acre (U.S. survey)	metre^2 (m^2)	4.47×10^3
acre-feet	gallons	3.259×10^5
amperes/sq cm	amps/sq in.	6.452
amperes/sq cm	amps/sq meter	$1. \times 10^4$
amperes/sq in.	amps/sq cm	0.1550
amperes/sq in.	amps/sq meter	1,550.0
amperes/sq meter	amps/sq cm	$1. \times 10^{-4}$
amperes/sq meter	amps/sq in.	6.452×10^{-4}
ampere-hours	coulombs	3,600.0
ampere-hours	faradays	0.03731
ampere-turns/cm	amp-turns/in	2.540
ampere-turns/in.	amp-turns/cm	0.3937
ampere-turns/in.	amp-turns/meter	39.37
ampere-turns/in.	gilberts/cm	0.4950
ampere-turns/meter	amp-turns/cm	0.01
ampere-turns/meter	amp-turns/in.	0.0254
atmospheres	bars	1.013
atmospheres	ton/sq. inch	0.007348
atmospheres	cms of mercury	76.0
atmospheres	ft of water (at 4°C)	33.90
atmospheres	in. of mercury (at 0°C)	29.92
atmospheres	kgs/sq cm	1.0332
atmospheres	kgs/sq meter	10,332.
atmospheres	pounds/sq in.	14.696
B		
barrels (U.S., dry)	quarts (dry)	105.0
barrels (U.S., liquid)	gallons	31.5
barrels (oil)	gallons (oil)	42.0
bars	atmospheres	0.9869
bars	dynes/sq cm	10^6
bars	kgs/sq meter	1.020×10^4
bars	pounds/sq in.	14.50
BTU	liter-atmosphere	10.409
BTU	ergs	1.0550×10^{10}
BTU	foot-lbs	778.16
BTU	gram-calories	252.0
BTU	horsepower-hrs	3.931×10^{-4}
BTU	joules	1,054.8
BTU	kilogram-calories	0.2520
BTU	kilogram-meters	107.58
BTU	kilowatt-hrs	2.928×10^{-4}
BTU/hr	foot-pounds/sec	0.2162
BTU/hr	gram-cal/sec	0.0700
BTU/hr	horsepower-hrs	3.929×10^{-4}
BTU/hr	watts	0.2931
BTU/min	foot-lbs/sec	12.96
BTU/min	horsepower	0.02356
BTU/min	kilowatts	0.01757
BTU/min	watts	17.57
BTU/sq ft/min	watts/sq in.	0.1221
C		
calories, gram (mean)	BTU (mean)	3.9685×10^{-3}
centares (centiares)	sq meters	1.0
centigrade	fahrenheit	(°C x 9/5) +32
centigrams	grams	0.01
centiliter	ounce fluid (US)	0.3382
centiliter	cubic inch	0.6103
centiliter	drams	2.705
centiliters	liters	0.01
centimeters	feet	3.281×10^{-2}
centimeters	inches	0.3937
centimeters	kilometers	$1. \times 10^{-5}$
centimeters	meters	0.01
centimeters	miles	6.214×10^{-6}
centimeters	mils	393.7
centimeters	yards	1.094×10^{-2}
centimeter-dynes	cm-grams	1.020×10^{-3}
centimeter-dynes	meter-kgs	1.020×10^{-8}
centimeter-dynes	pound-feet	7.376×10^{-8}
centimeter-grams	cm-dynes	980.7
centimeter-grams	meter-kgs	$1. \times 10^{-5}$
centimeter-grams	pound-feet	7.233×10^{-5}

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centimeters of mercury	atmospheres	0.01316
centimeters of mercury	feet of water	0.4461
centimeters of mercury	kgs/sq meter	136.0
centimeters of mercury (0°C)	pascal (Pa)	1.333×10^3
centimeters of mercury	pounds/sq ft	27.85
centimeters of mercury	pounds/sq in.	0.1934
centimeters of water (4°C)	pascal (Pa)	98.06
centimeters/sec	miles/hr	0.02237
centimeters/sec	miles/min	3.728×10^{-4}
centimeters/sec/sec	feet/sec/sec	0.03281
centimeters/sec/sec	kms/hr/sec	0.036
centimeters/sec/sec	meters/sec/sec	0.01
centimeters/sec/sec	miles/hr/sec	0.02237
centipoise	pascal-second (Pa s)	$1. \times 10^{-3}$
centistokes	metre^2/second (m^2/s)	$1. \times 10^{-6}$
circular mils	sq cms	5.067×10^{-6}
circular mils	sq mils	0.7854
circular mils	sq inches	7.854×10^{-7}
circumference	radians	6.283
coulombs	faradays	1.036×10^{-5}
coulombs/sq cm	coulombs/sq in.	6.452
coulombs/sq cm	coulombs/sq meter	$1. \times 10^4$
coulombs/sq in.	coulombs/sq meter	1,550.
coulombs/sq meter	coulombs/sq cm	$1. \times 10^{-4}$
coulombs/sq meter	coulombs/sq in	6.452×10^{-4}
cubic centimeters	cu feet	3.531×10^{-5}
cubic centimeters	cu inches	0.06102
cubic centimeters	cu meters	$1. \times 10^{-6}$
cubic centimeters	cu yards	1.308×10^{-6}
cubic centimeters	gallons (U.S. liq.)	2.642×10^{-4}
cubic centimeters	liters	0.001
cubic centimeters	quarts (U.S. liq.)	1.057×10^{-3}
cubic feet	bushels (dry)	0.8036
cubic feet	cu cms	28,320.0
cubic feet	cu inches	1,728.0
cubic feet	cu meters	0.02832
cubic feet	cu yards	0.03704
cubic feet	gallons (U.S. liq.)	7.48052
cubic feet	liters	28.32
cubic feet	quarts (U.S. liq.)	29.92
cubic feet/min	cu cms/sec	472.0
cubic feet/min	gallons/sec	0.1247
cubic feet/min	liters/sec	0.4720
cubic feet/min	pounds of water/min	62.4283
cubic inches	cu cms	16.39
cubic inches	cu feet	5.787×10^{-4}
cubic inches	cu meters	1.639×10^{-5}
cubic inches	cu yards	2.143×10^{-5}
cubic inches	gallons	4.329×10^{-3}
cubic inches	liters	0.01639
cubic inches	quarts (U.S. liq.)	0.01732
cubic meters	bushels (dry)	28.38
cubic meters	cu cms	10^6
cubic meters	cu feet	35.31
cubic meters	cu inches	61,023.0
cubic meters	cu yards	1.308
cubic meters	gallons (U.S. liq.)	264.2
cubic meters	liters	1,000.0
cubic meters	quarts (U.S. liq.)	1,057.0
cubic yards	cu cms	7.646×10^5
cubic yards	cu feet	27.0
cubic yards	cu meters	0.7646
cubic yards	gallons (U.S. liq.)	202.0
cubic yards	liters	764.6
cubic yards	quarts (U.S. liq.)	807.9
cubic yards/min	cubic ft/sec	0.45
cubic yards/min	gallons/sec	3.367
cubic yards/min	liters/sec	12.74
D		
days (mean solar)	years	2.737806×10^{-3}
days (mean solar)	seconds	86,400.0
decibar	pascal (Pa)	10^4
degree (angle)	radian (rad)	1.745×10^{-2}
degrees (angle)	quadrants	0.01111
degrees (angle)	seconds	3,600.0
degrees/sec	radians/sec	0.01745
degrees/sec	revolutions/min	0.1667
degrees/sec	revolutions/sec	2.778×10^{-3}
degree Celsius	kelvin (K)	$t°k = t°c + 273.15$

INTO ← TO CONVERT — DIVIDE BY