



Count on it.

Conversion Factors

TO CONVERT	INTO	MULTIPLY BY
acres	hectares	0.4047
acres	sq feet	43,560
acres	sq meters	4,047
acres	sq miles	1.562x10-3
acres	sq yards	4,840
acre-feet	cu feet	43,560
acre-feet	gallons	3.259x10+5
atmospheres	ft of water	33.90
atmospheres	in of mercury	29.92
atmospheres	kg/sq cm	1.0333
atmospheres	kg/sq meter	10,332
atmospheres	pounds/sq in	14.70
bars	atmospheres	0.9869
bars	dynes/sq cm	1.0x10+6
bars	kg/sq meter	1.020x10+4
bars	pounds/sq ft	2,089
bars	pounds/sq in	14.50
BTU	kilowatt-hrs	2.928x10-4
Centigrade	Fahrenheit	(C x 1.8)+32
centimeters	feet	3.281x10-2
centimeters	inches	0.3937
centimeters	millimeters	10
cubic centimeters	cu inches	0.06102
cubic centimeters	gallons (U.S.)	2.642x10-4
cubic centimeters	liters	0.001
cubic centimeters	pints (U.S.)	2.113x10-3
cubic centimeters	quarts (U.S.)	1.057x10-3
cubic feet	cu cm	28,320
cubic feet	cu inches	1,728
cubic feet	cu meters	0.02832
cubic feet	cu yards	0.03704
cubic feet	gallons (U.S.)	7.48052
cubic feet	liters	28.32
cubic feet	pints (U.S.)	59.84
cubic feet	quarts (U.S.)	29.92
cubic feet/sec	million gals/day	0.646317
cubic feet/sec	gallons/min	448.831
cubic inches	cu cm	16.39
cubic inches	gallons	4.329x10-3
cubic inches	liters	0.01639
cubic meters	cu yards	1.308
cubic meters	gallons (U.S.)	264.2
cubic meters	liters	1,000
Dynes/sq cm	atmospheres	9.869x10-7
Dynes/sq cm	in of mercury at 0° C	2.953x10-5
Dynes/sq cm	in of water at 4° C	4.015x10-4
Dynes/sq cm	bars	1.0x10-4

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feet	centimeters	30.48
feet	kilometers	3.048x10-4
feet	meters	0.3048
feet of water	atmospheres	0.02950
feet of water	in of mercury	0.8826
feet of water	kg/sq meter	304.8
feet of water	pounds/sq in	0.4335
Gallons	cu cm	3,785
Gallons	cu feet	0.1337
Gallons	cu inches	231
Gallons	cu meters	3.785x10-3
gallons	cu yards	4.951x10-3
Gallons	liters	3.785
gallons (Imp.)	gallons (U.S.)	1.20095
gallons (U.S.)	gallons (Imp.)	0.83267
gallons of water	pounds of water	8.3453
gallons/min	cu ft/sec	2.228x10-3
gallons/min	liters/sec	0.06308
gallons/min	cu ft/hr	8.0208
Hectares	acres	2.471
hectares	sq feet	1.076x10+5
Horsepower	Btu/min	42.44
horsepower	foot-lbs./min	33,000
horsepower	foot-lbs./sec	550
horsepower (metric)	horsepower (British)	0.9863
horsepower (British)	horsepower (metric)	1.014
horsepower	kg-calories/min	10.68
horsepower	kilowatts	0.7457
horsepower	watts	745.7
inches	centimeters	2.54
inches	meters	2.54x10-2
inches	miles	1.578x10-5
inches	millimeters	25.4
inches	mils	1,000
inches	yards	2.778x10-2
in of mercury	atmospheres	0.03342
in of mercury	feet of water	1.133
in of mercury	kg/sq cm	0.03453
in of mercury	kg/sq meter	345.3
in of mercury	pounds/sq ft	70.73
in of mercury	pounds/sq in	0.4912
in of water	atmospheres	2.458x10-3
in of water	inches of mercury	0.07355
in of water	kg/sq cm	2.540x10-3
in of water	ounces/sq in	0.5781
in of water	pounds/sq ft	5.204
in of water	pounds/sq in	0.03613

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kilograms	pounds	2.205
kilograms/cu meter	pounds/cu ft	0.06243
kilograms/hectare	pounds/acre	0.8924
kilograms/sq cm	dynes	980,665
kilograms/sq cm	atmospheres	0.9678
kilograms/sq cm	feet of water	32.81
kilograms/sq cm	in of mercury	28.96
kilograms/sq cm	pounds/sq ft	2,048
kilograms/sq cm	pounds/sq in	14.22
kilograms/sq meter	atmospheres	9.678x10-5
kilograms/sq meter	bars	98.07x10-6
kilograms/sq meter	ft of water	3.281x10-3
kilograms/sq meter	in of mercury	2.896x10-3
kilograms/sq meter	pounds/sq ft	0.2048
kilograms/sq meter	pounds/sq in	1.422x10-3
kilometers	feet	3,281
kilometers	meters	1,000
kilometers	miles	0.6214
kilometers	yards	1,094
kilometers/hr	feet/min	54.68
kilometers/hr	feet/sec	0.9113
kiloPascals (kPa)	pounds/sq in	0.14503
kilowatts	BTU/min	56.92
kilowatts	horsepower	1.341
kilowatt-hrs	BTU	3,413
kilowatt-hrs	horsepower-hrs	1.341
liters	cu cm	1,000
liters	cu feet	0.03501
liters	cu inches	61.02
liters	cu meters	0.001
liters	cu yards	1.308x10-3
liters	gallons (U.S.)	0.2642
liters	pints (U.S.)	2.113
liters	quarts (U.S.)	1.057
liters/min	cu ft/sec	5.886x10-4
liters/min	gals/sec	4.403x10-3
liters/sec	gallons/min	15.852
liters/sec-sq meter	gallons/min-sq ft	1.4726
meters	centimeters	100
meters	feet	3.281
meters	inches	39.37
meters	kilometers	0.001
meters	miles (naut.)	5.396x10+4
meters	miles (stat.)	6.214x10+4
meters	millimeters	1,000
meters	yards	1.094
meters/min	miles/hr	0.03728

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meters/sec	feet/min	196.8
meters/sec	feet/sec	3.281
meters/sec	kilometers/hr	3.6
meters/sec	kilometers/min	0.06
meters/sec	miles/hr	2.237
meters/sec	miles/min	0.03728
miles (statute)	feet	5,280
miles (statute)	inches	6.336x10+4
miles (statute)	kilometers	1.609
miles (statute)	meters	1,609
miles/hr	cm/sec	44.70
miles/hr	feet/min	88
miles/hr	feet/sec	1.467
milligrams/liter	parts/million	1
milliliters	liters	0.001
millimeters	centimeters	0.1
millimeters	inches	0.03937
millimeters	mils	39.37
million gals/day	cu ft/sec	1.54723
mils	centimeters	2.540x10-3
mils	inches	0.001
parts/million	pounds/million gal	8.345
pounds	dynes	44.4823x10+4
pounds	grams	453.5924
pounds	kilograms	0.4536
pounds	ounces	16
pounds of water	gallons	0.1198
pounds/cu ft	grams/cu cm	0.01602
pounds/cu ft	kg/cu meter	16.02
pounds/sq in	atmospheres	0.06804
pounds/sq in	bars	0.0689
pounds/sq in	ft of water	2.307
pounds/sq in	in of mercury	2.036
pounds/sq in	kPa	6.895
pounds/sq in	kg/sq meter	703.1
pounds/sq in	pounds/sq ft	144
quarts (liq.)	liters	0.9463
square miles	acres	640
square meters	square feet	10.7639
square meters	square inches	1,550
tonnes (metric)	kilograms	1,000
tonnes (metric)	pounds	2,205
tons (short)	kilograms	907.1848
tons (short)	pounds	2,000
tons (short)	tonnes (metric)	0.9078
yards	meters	0.9144

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