Unit conversion metric

Wednesday, December 11, 2013

9:39 AM

**ONLINE**

<http://www.metric-conversions.org/>

Google unit converter

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**CHARTS**

Machine generated alternative text: Customary Units
Metric Units
1 inch
254 centimeters
1 foot
30.48 centimeters
or 0.3048 meter
1 yard
0.914 meter
1 mile
1.609 kilometers
1 ounce
28.350 grams
1 pound
454 grams
or 0.454 kilogram
1 fluid ounce
29.574 milliliters
1 quart
0.946 liter
1 gallon
3.785 liters

Machine generated alternative text: F•r example:
1 kilometer (km) = 0.62 mile (mi)
1 kilometer (km) = 3280.8 feet (ft)
1 meter (m) = 3.28 feet (fi)
1 centimeter (cm) = 0.39 inch (in)
1 millimeter (mm) = 0.039 inch (in)
1 inch (in) = 2.54 centimeters (cm)
1 inch (in) = 25.4 millimeters (mm)
1 foot (f?) = 0.30 meter (m)
1 yard (yd) = 0.91 meter (m)
1 yard (yd) = 0.00091 kilometer (km)
1 mile (mi) = 1 .61 kilometers (km)
The fraction would be:
1 kilometer (km) (numerator)
0.62 miles (mi) (denominator)

Machine generated alternative text: A B Multiply by factor to convert from:
U.S. Customary Metric AtoB BtoA
Length or thickness
mii (0.00 1 In.) micrometer (pm) 25.4 (25) 0.03937 (0.04)
microinch (pin.) micrometer (pm) 0,0254 (0.025) 39.37 (40)
inch (in.) centimeter (cm)f 2.54 (2.5) 0.3937 (0.4)
foot (f1) meter (m) 0.3048 (0.3) 3.28 1 (3.3)
angstrom unit nanometer (nm) 0.1 10
millimcron (mp) nanometer (nm) 1 1
Area
square inch (in.2) square centimeter (cm2) 6.452 (6.5) 0.1550 (0.15)
square fool (ft2) square meter (m2) 0.09290 (0.1) 10.76 (10)
Volume
cubic inch (in.3) cubic centimeter (cm3) 16.39 (16) 0.06 102 (0.06)
cubic foot (ft3) cubic meter (m3) 0.02832 (0.03) 35.31 (35)
gallon, U.S. liquid (gal) milliliter (ml) 3.785 (4) 0.2642 (0.25)
‘1000 gallons cubic meter (m3) 3.785 (4) 0.2642 (0.25)
fluid ounce (ti oz) milliliter (ml) 29.57 (30) 0.0338 1 (0.034)
Mass (weight)
grain (gr) rrühligram (mg) 64.80 (65) 0.01543 (0.015)
ounce, avoirdupois (oz) gram (g) 28.35 (28) 0.03527 (0.035)
ounce, troy (troy oz) gram (g) 31.10 (30) 0.03215 (0.03)
pound, avoirdupois (Lb) kilogram (kg) 0.4536 (0.45) 2.205 (2.2)
Weight (mass) per unit area
mg/in.2 g/m2 1.550 (1.5) 0.6451 (0.65)
mg/in.2 rng/cm2t 0.1550 (0.15) 6.451 (6.5)
oziin.2 kg/rn2 43.95 (44) 0.02275 (0.023)
oz/in.2 g/cm2t 4.395 (4.4) 0.2275 (0.23)
oz/ft2 kg/rn2 0.3052 (0.3) 3.277 (3.3)
az/ft2 mg/cm2 I 305.2 (300) 0.003277 (0.003)

Machine generated alternative text: A B Multiply by factor to convert from:
U.S. Customary - Metric A to B_____ B to A
Weight (mass) per unit volume
az/gal gIL 7.490 (7.5) 0.1335 (0.13)
ozlgal kg/rn3 7.490 (7.5) 0.1 335 (0.13)
lb/i 00 gal kg/rn3 1.198 (1.2) 0.8347 (0.8)
floz/gal cm3/rn3t 7812 (8000) 0.0001280 (0.00013)
fi ozlgaL milL 7.8 12 (8) 0.1 280 (0.13)
Current density
Mt2 A/rn2 10.76 (10) 0.09290 (0.1)
Nf t2 mNcm2I 1.076 (1) 0.9290 (1)
A/ft2 Ndm2t 0.1076 (0.1) 9.290 (10)
Win.2 kAJm2 1.550 (1.5) 0.6451 (0.65)
Mn.2 mA/cm2t 155.00 (150) 0.006451 (0.0065)
Energy
calorie (cal) joule (J) 4.19 (4) 0.239 (0.25)
ki’owatt-hour (kWh) megaoule (MJ) 3.600 (exact) 0.2778 (0.3)
Pressure
ibfin.2 (psi) pascal (Pa) 6895 (7000) 0.0001450 (0.00015)
1000 psi megapascal (M Pa) 6.B95 (7) 0.145 (0.15)
kilogram-force/mm2
(kgf/mm2) megapascal (MPa) 9.806 (10) 0.1020 (0.1)
Quantity of electricity to plate unit thickness
A-h/ft2 for 1 mii C/rn2 for pm 1530 (1500) 0.0006535 (0.00065)
A-h/ft2 for 1 mii A-h/rn2 for 1 pm 0.4236 (0.4) 2.361 (2.4)
A-h/ft2 for 1 mii mA-h/cm’o 1 pm 0.04236 (0.04) 23.61 (24)
Temperature
= 9/5° C + 32 = Fahrenheit temperature
= 5/9 (°F —32) °C Celsius (centigrade) temperature
t °C t( — 273.15 tK kelvins

Machine generated alternative text: KILOGRAMS x 2.2046
KILOGRAMS! 9072
MILLIMETERS X 0.03937
POUNDS
= TONS (2000 LBS)
= INCHES
MThKSX .i.094 YAKDS
SQ. MILUMETERS X 0.00155 - SQ. INCHES
Metric to Standard

Machine generated alternative text: English Conversion Factors & Data
From To Multiply By
Measurements
Cubic Feet Cubic Inches 1728.0
Cubic Inches Cubic Feet 0.00058
Cubic Feet Gallons 7.480
Gallons Cubic Feet 0.1337
Cubic Inches Gallons 0.00433
Gallons Cubic Inches 231.0
Barrels Gallons 42.0
Gallons Barrels 0.0238
Imperial Gallons US Gallons 1.2009
US Gallons Imperial Gallons 0.8326
Feet Inches 12.0
Inches Feet 0.0833
Square Feet Square Inches 144.0
Square Inches Square Feet 0.00695
Short Tons Pounds 2000
Liters US Gallons 0.2642