

# Conversion Factors

## C

To Convert	Into	Multiply By
Calories, gram (mean)	BTU (mean)	$3.9685 \times 10^{-3}$
Candle/sq cm	Lamberts	3.142
Candle/sq inch	Lamberts	0.4870
Centares (centiares)	sq meters	1.0
Centigrade	Fahrenheit	$(C^{\circ} \times 9/5) + 32$
centigrams	grams	0.01
Centiliter	Ounce Fluid (U.S.)	0.3382
Centiliter	Cubic inch.	0.6103
Centiliter	drams	2.705
centiliters	liters	0.01
centimeters	feet	$3.281 \times 10^{-2}$
centimeters	inches	0.3937
centimeters	kilometers	$10^{-5}$
centimeters	meters	0.01
centimeters	miles	$6.214 \times 10^{-6}$
centimeters	millimeters	10.0
centimeters	mils	393.7
centimeters	yards	$1.094 \times 10^{-2}$
centimeter-dynes	cm-grams	$1.020 \times 10^{-3}$
centimeter-dynes	meter-kgs	$1.020 \times 10^{-6}$
centimeter-dynes	pound-feet	$7.376 \times 10^{-6}$
centimeter-grams	cm-dynes	980.7
centimeter-grams	meter-kgs	$10^{-5}$
centimeter-grams	pound-feet	$7.233 \times 10^{-5}$
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	pounds/sq ft	27.85
centimeters of mercury	pounds/sq in	0.1934
centimeters/sec	feet/min	1.1969
centimeters/sec	feet/sec	0.03281
centimeters/sec	kilometers/hr	0.036
centimeters/sec	knots	0.1943
centimeters/sec	meters/min	0.6
centimeters/sec	miles/hr	0.02237
centimeters/sec	miles/min	$3.728 \times 10^{-4}$
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
Chain	Inches	792.0
Chain	meters	20.12
Chains (surveyors' or Gunter's)	yards	22.0
circular mils	sq cms	$5.067 \times 10^{-4}$
circular mils	sq mils	0.7854
circular mils	sq inches	$7.854 \times 10^{-7}$
Circumference	Radians	6.283
Cords	cord feet	8.0
Cord feet	cu feet	16
Cord	cu meter	3.6245
Cord (wood)	cu feet	128
Cord	steres	3.625
Coulomb	Statcoulombs	$2.998 \times 10^9$
coulombs	faradays	$1.036 \times 10^{-5}$
coulombs/sq cm	coulombs/sq in	64.52
coulombs/sq cm	coulombs/sq meter	$10^4$
coulombs/sq in	coulombs/sq cm	0.1550
coulombs/sq in	coulombs/sq meter	1,550.0
coulombs/sq meter	coulombs/sq cm	$10^{-4}$
coulombs/sq meter	coulombs/sq in	$6.452 \times 10^{-4}$

# Conversion Factors

## C

To Convert	Into	Multiply By
cubic centimeters (mL)	cu feet	$3.531 \times 10^{-5}$
cubic centimeters (mL)	cu inches	0.06102
cubic centimeters (mL)	cu meters	$10^{-6}$
cubic centimeters (mL)	cu yards	$1.308 \times 10^{-6}$
cubic centimeters (mL)	gallons (U.S. liq)	$2.642 \times 10^{-4}$
cubic centimeters (mL)	liters	0.001
cubic centimeters (mL)	pints (U.S. liq)	$2.113 \times 10^{-3}$
cubic centimeters (mL)	quarts (U.S. liq)	$1.057 \times 10^{-3}$
cubic feet	bushels (dry)	0.8036
cubic feet	cord (wood)	$7.81 \times 10^{-3}$
cubic feet	cu cms (mL)	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	pints (U.S. liq)	59.84
cubic feet	quarts (U.S. liq)	29.92
cubic feet	ton (shipping)	0.025
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	62.43
cubic feet/sec	million gals/day	0.646317
cubic feet/sec	gallons/min	448.831
cubic inches	bushel	$4.65 \times 10^{-4}$
cubic inches	cu cms (mL)	16.39
cubic inches	cu feet	$5.787 \times 10^{-4}$
cubic inches	cu meters	$1.639 \times 10^{-5}$
cubic inches	cu yards	$2.143 \times 10^{-5}$
cubic inches	gallons	$4.329 \times 10^{-3}$
cubic inches	liters	0.01639
cubic inches	mil-feet	$1.061 \times 10^5$
cubic inches	pints (U.S. liq)	0.03463
cubic inches	quarts (U.S. liq)	0.01732
cubic meters	bushels (dry)	28.38
cubic meters	ords	0.2759
cubic meters	cu cms (mL)	$10^6$
cubic meters	cu feet	35.31
cubic meters	cu inches	61,023.0
cubic meters	cu yards	1,308.0
cubic meters	gallons (U.S. liq)	264.2
cubic meters	liters	1,000.0
cubic meters	pints (U.S. liq)	2,113.0
cubic meters	quarts (U.S. liq)	1,057.0
cubic yards	cu cms (mL)	$7,646 \times 10^5$
cubic yards	cu feet	27.0
cubic yards	cu inches	46,656.0
cubic yards	cu meters	0.7646
cubic yards	gallons (U.S. liq)	202.0
cubic yards	liters	764.6
cubic yards	pints (U.S. liq)	1,615.9
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