WEIGHTS, VOLUMES, TEMPERATURES, & OTHER

Convert From	Into	Multiply By
abampere	ampere	10
	faraday/sec (chem)	1.03638×10^{-4}
	statampere	2.99792×10^{10}
abcoulomb	ampere–hour	0.00278
	coulomb	10
	electronic charge	6.24151×10^{19}
	faraday (chem)	1.03632×10^{-4}
	statcoulomb	2.99792×10^{10}
abfarad	farad	1×10^{9}
	microfarad	1×10^{15}
	statfarad	8.98755×10^{20}
abhenry	henry	1×10^{-9}
abmho	megamho	1000
	mho	1×10^{9}
	statmho	8.98755×10^{20}
abohm	megohm	1×10^{-15}
	microohm	0.001
	ohm	1×10^{-9}
abohmcm	ohmcm	1×10^{-9}
abvolt	microvolt	0.01
	millivolt	1×10^{-5}
	volt	1×10^{-8}
abvolt/cm	volt/cm	1×10^{-8}
	volt/inch	2.54×10^{-8}
acre (Int)	are	40.4686
	hectare or sq. hectometer	0.404686
	sq foot (Int)	43560
	sq foot (US Survey)	43559.826
	sq meter	4046.856
	sq mile (Int)	0.0015625
	sq yard (Int)	4,840
	sq yard	4840
acre (US Survey)	are	40.46873
	hectare or sq. hectometer	0.4046873
	sq foot (Int)	43560.174
	sq foot (US Survey)	43560
	sq mile (US Survey)	0.0015625
acre foot	cu foot	43560
	cu meter	1233.482
	cu yard	1613.33
	gallon (US, liq)	3.259×10^{5}
acre inch	cu foot	3630
	cu meter	102.7901531
	cu yard	134.44
	gallon (US)	27154.286
ampere	abampere	0.1
	ampere (Int)	1.00015
	coulomb/sec	1
	faraday/sec (chem)	1.03638×10^{-4}
	microampere	1×10^{6}
	milliampere	1000
	statampere	2.99792×10^{9}
ampere (Int)	ampere	0.99985
ampere hour	abcoulomb	360
	coulomb	3600
	faraday (chem)	0.03731

If you can not locate the conversion you need (such as "foot" to "inch"), try looking up the reverse conversion ("inch" to "foot") and if it exists, divide that number into 1 to get your conversion. In order to save space, only one direction of conversion is listed in some cases. Additional sources include *Handbook of Chemistry and Physics* and *C.R.C Standard Math Tables* by The Chemical Rubber Publishing Co, *Scientific Tables* by Ciba-Geigy Ltd, *Measure for Measure* by Sequoia Publishing, *Field Geologists Manual* by The Australian Institute of Mining & Metallurgy, *Conversion Factors* by Forney Inc, *Conversions* by Cahn Instruments, and *Technical Reference Handbook* by E.P Rasts.

ABBREVIATIONS USED IN CONVERSION TABLES

abs	absolute	in	inch
apoth	apothecary	Int	International
atm	atmosphere	IST	Int Steam Table
avdp	avoirdupois	kg	kilogram
Avogad	Avogadro number	km	kilometer
Btu	British thermal unit	kW	kilowatt
cal	calorie	L	long
cgs	centimeter-gram-second	lb	pound
chem	chemical	lbf	pound-force
chg	charge	liq	liquid
circ	circular	ln	logarithm (natural)
cm	centimeter	log	logarithm (common)
cp	candle power	mech	mechanical
cu	cubic	measure	measuring
dB	decibel	met	metric
dm	decimeter	min	minute
°C	degree Celsius	mks	meter-kilogram-second
°F	degree Fahrenheit	mm	millimeter
K	kelvin	naut	nautical
°R	degree Rankine	oz	ounce
elec	electrical	petro	petroleum
Engl	English	S	short
equiv	equivalent	sec	second
ft	foot	spher	spherical
gal	gallon	sq	square
g	gram	std	standard
Germ	German	thermo	thermochemical
H_2O	water	UK	United Kingdom
Hg	Mercury	US	United States
hr	hour		

Convert From	Into	Multiply By
ampere/meter	amper/inch	0.0254
	oersted	0.012566
	newton/weber	1
ampere/sq cm	amper/sq inch	6.452
	amper/sq meter	1×10^{4}
ampere/sq inch	amper/sq cm	0.1550
	amper/sq meter	155
ampere/sq meter	amper/sq cm	1×10^{-4}
	amper/sq inch	6.452×10^{-4}
ampere–turn	gilbert	1.25664
ångstrom	centimeter	1×10^{-8}
	inch	3.937×10^{-9}
	meter	1×10^{-10}
	micrometer	1×10^{-4}
	micron	0.0001
	millimicron	0.1
are	acre (Int)	0.024711
	sq dekameter	1
	sq foot	1076.39
	sq meter	100
	sq mile (Int)	3.86102×10^{-5}
	sq yard (Int)	119.599
astronomical unit	kilometer	1.496×10^{8}
atmosphere (std)	bar	1.01325
	cm of Hg @ 0°C	75.9999
	cm of H_2O @ 4°C	1033.228
	dyne/sq cm	1.01325×10^{6}
	ft of H_2O @ 39.2°F	33.8995
	gram–force/sq cm	1033.23
	in of Hg @ 32°F	29.9213
	kg–force/sq cm	1.0332
	kg–force/sq meter	10332
	kilopascal	101.325
	mm of Hg @ 0°C	759.999
	newton/sq meter	101325
	pascal	101325
	pound–force/sq inch	14.6959
	ton-force(short)/sq inch	0.00735
	ton-force(short)/sq foot	1.05811
	torr	760
barn	sq cm	1×10^{-24}
barrel (UK)	bag (UK)	1.5
	barrel (US, dry)	1.41541
	barrel (US, liq)	1.37251
	bushel (UK)	4.5
	bushel (US, dry)	4.64426
	cu foot	5.77957
	cu meter	0.16366
	gallon (UK)	36
	liter	163.6592
barrel (US oil)	barrel (US, liq)	1.3333
	cu foot	5.61458
	gallon (US, liq)	42
	liter	158.9873
barrel (US, dry)	barrel (US, liq)	0.969696
	bushel (US, dry)	3.28122
	cu foot	4.08333
	cu inch	7056
	cu meter	0.11563
	quart (US, dry)	104.999
barrel (US, liq)	barrel (US, dry)	1.03125
	barrel (US oil)	0.075
	cu foot	4.2109
	cu inch	7276.5
	cu meter	0.11924
	gallon (UK)	26.22924
	gallon (US, liq)	31.5
	liter	119.24
bar	atmosphere (std)	0.98692
	barye (French)	1×10^{6}
	cm of Hg @ 0°C	75.0062
	dyne/sq cm	1×10^{6}
	ft of H_2O @ 60°F	33.4883
	gram–force/sq cm	1019.72
	in of Hg @ 32°F	29.530
	kg–force/sq cm	1.01972
	millibar	1000
	newton/sq meter	1×10^{5}
	pascal	1×10^{5}
	pound–force/sq foot	2088.54
	pound–force/sq inch	14.5038
barye (French)	dyne/sq cm	1.0
	newton/sq meter	0.10
	pascal	0.10
becquerel	curie	2.7027×10^{-11}
	disintegration/sec	1
bel	decibel	10
biot	ampere	10
bit	byte (computers)	0.125
board foot	cu cm	2359.74
	cu foot	0.08333
	cu inch	144
bolt (cloth)	elf	32
	linear foot	120
	meter	36.576
bougie decimale	candle (Int)	0.96