

English and metric conversion chart

Multiply by the shown exact or approximate factor. Liquid units use U.S. customary definitions.

English / U.S. customary to metric				Metric to English / U.S. customary			
From	To		Multiply by	From	To		Multiply by
in	cm	=	2.54	cm	in	≈	0.3937007874
ft	m	=	0.3048	m	ft	≈	3.280839895
yd	m	=	0.9144	m	yd	≈	1.093613298
mi	km	=	1.609344	km	mi	≈	0.6213711922
in ²	cm ²	=	6.4516	cm ²	in ²	≈	0.1550003100
ft ²	m ²	=	0.09290304	m ²	ft ²	≈	10.76391042
yd ²	m ²	=	0.83612736	m ²	yd ²	≈	1.195990046
in ³	mL	=	16.387064	mL	in ³	≈	0.06102374409
ft ³	m ³	≈	0.02831684659	m ³	ft ³	≈	35.31466672
yd ³	m ³	≈	0.7645548580	m ³	yd ³	≈	1.307950619
US fl oz	mL	≈	29.57352956	mL	US fl oz	≈	0.03381402270
US tsp	mL	≈	4.928921594	mL	US tsp	≈	0.2028841362
US tbsp	mL	≈	14.78676478	mL	US tbsp	≈	0.06762804540
US cup	L	=	0.2365882365	L	US cup	≈	4.226752838
US qt	L	=	0.946352946	L	US qt	≈	1.056688209
US gal	L	=	3.785411784	L	US gal	≈	0.2641720524
oz	g	≈	28.34952313	g	oz	≈	0.03527396195
lb	kg	=	0.45359237	kg	lb	≈	2.204622622
mph	km/h	=	1.609344	km/h	mph	≈	0.6213711922

= exact decimal ≈ rounded to at most 10 significant digits

Liquid factors use U.S. customary definitions; oz means avoirdupois mass ounce.

Symbols: in inch; ft foot; yd yard; mi mile; cm centimeter; m meter; km kilometer.

US liquid: fl oz fluid ounce; tsp teaspoon; tbsp tablespoon; cup; qt quart; gal gallon.

mL milliliter; L liter; oz mass ounce; lb pound; g gram; kg kilogram.

² square; ³ cubic; mph miles/hour; km/h kilometers/hour.