COMMON NON-SI UNIT CONVERSIONS (C5)

Unit	Unit Symbol	Quantity	Equation Expressed in Terms of SI Units	Equation Expressed in Terms of Other Units
Degree Fahrenheit	°F	Fahrenheit Temperature	$x\ °\mathrm{F} \cong \left(x \times \frac{9}{5} - 459.67\right) \mathrm{K}$	$x\ °\mathrm{F} \cong \left(x \times \frac{9}{5} + 32\right) °\mathrm{C}$
Foot	ft	Length	$x\ \mathrm{ft} \cong 0.304\ 8x\ \mathrm{m}$ [U.S. Survey] $x\ \mathrm{ft} \cong 0.304\ 800\ 6x\ \mathrm{m}$	-
Inch	in	Length	$x\ \mathrm{in} \cong 25.4x\ \mathrm{mm}$	-
Yard	yd	Length	$x\ \mathrm{yd} \cong 0.914\ 4x\ \mathrm{m}$	-
Mile	mi	Length	$x\ \mathrm{mi} \cong 1.609\ 344x\ \mathrm{km}$	$x\ \mathrm{mi} \cong 5280x\ \mathrm{ft}$
Acre	ac acre	Area	$x\ \mathrm{ac} \cong 4\ 046.873x\ \mathrm{m}^2$	-
Square Inch	in^2	Area	$x\ \mathrm{in}^2 \cong 645.16x\ \mathrm{mm}^2$	-
Square Foot	ft^2	Area	$x\ \mathrm{ft}^2 \cong 0.092\ 903\ 04x\ \mathrm{m}^2$	-
Square Yard	yd^2	Area	$x\ \mathrm{yd}^2 \cong 0.836\ 127\ 36x\ \mathrm{m}^2$	-
Square Mile	mi^2	Area	$x\ \mathrm{mi}^2 \cong 2.589\ 988x\ \mathrm{km}^2$	-
Gallon	gal	Volume	$x\ \mathrm{gal} \cong 3.785\ 412x\ \mathrm{L}$	-
Quart	qt	Volume	$x\ \mathrm{qt} \cong 0.946\ 352\ 9x\ \mathrm{L}$	-
Pint	pt	Volume	$x\ \mathrm{pt} \cong 0.473\ 176\ 5x\ \mathrm{L}$	-
Fluid Ounce	fl oz	Volume	$x\ \mathrm{fl\ oz} \cong 29.573\ 53\ \mathrm{mL}$	-
Mile per Hour	mph	Velocity	$x\ \mathrm{mph} \cong 1.609\ 344x\ \mathrm{km/h}$	-

Unit	Unit Symbol	Quantity	Equation Expressed in Terms of SI Units	Equation Expressed in Terms of Other Units
Ton (Short)	t	Mass	x t ≅ 907.184 74x kg	-
Pound (Avoirdupois)	lb	Mass	x lb ≅ 0.453 592 37x kg	-
Ounce (Avoirdupois)	oz	Mass	x oz ≅ 28.349 52x g	-
Bar	bar	Pressure	x bar ≅ 100x kPa	-
Pound-Force per Square Inch	psi	Pressure	x psi ≅ 6.894 757x kPa	-
Kilowatt-Hour	kWh	Energy	x kWh ≅ 3.6x MJ	-
Calorie (Nutrition)	cal	Energy	x cal ≅ 4.184x kJ	-
Horsepower	hp	Power	x hp ≅ 746x W	-
Angstrom	Å	Wavelength	x Å ≅ 0.1x nm	-
Curie	Ci	Radioactivity	x Ci ≅ 37 000x MBq	-
Rad	rad	Absorbed Dose	x rad ≅ 0.01x Gy	-
Roentgen Equivalent Man	rem	Dose Equivalent	x rem ≅ 0.01x Sv	-
Roentgen	R	Exposure	x R ≅ 0.000 258x C/kg	-

Sources:

- Unit
- Unit Symbol
- Quantity
- Equation Expressed in Terms of SI Units
- Equation Expressed in Terms of Other Units