

Conversion Factors

Length

1.0 meter	39.37 in	3.281 ft
1.0 in	2.54 cm	
1.0 km	0.621 mi.	
1.0 mi.	5280 ft	1.609 km
1 light year	9.461×10^{15} m	
1.0 ft	12 in	30.48 cm
1.0 yd	3 ft	36 in
1.0 mi	5280 ft	1760 yd

Time

1 min.	60 sec	
1 hour	60 min	3600 sec
1 day	24 hours	8.64×10^4 sec
1 year	365.242 days	3.156×10^7 sec

Volume

1 liter	1000 cm^3	$3.531 \times 10^{-2} \text{ ft}^3$
1.0 ml	1 cm^3	
1 gallon	3785 cm^3	

Speed

1 km/h	0.278 m/s	0.621 mi/h
1 m/s	2.237 mi/h	3.281 ft/s
1 mi/h	1.61 km/h	0.447 m/s
speed of sound = 340 m/s		
speed of light = 3.0×10^8 m/s		

Force

1.0 Newtons	0.2248 lbs
1 lb	4.448 N

Pressure

1 atm	1 Pascal
1 lb/in^2	$6.895 \times 10^3 \text{ N/m}^2$