

# CONVERSION FORMULAS

From	Multiplier	To	From	Multiplier	To
<b>AREA</b>					
sq. feet	0.0929	sq. meters	sq. meters	1.196	sq. yards
sq. kilometers	0.3861	sq. miles	sq. miles	2.59	sq. kilometers
sq. meters	10.7639	sq. feet	sq. yards	0.8361	sq. meters
<b>CAPACITY</b>					
cubic meter/hour	4.403	gallons/minute	gallons/minute	0.638	liters/second
gallons/minute	3.785	liters/minute	liters/second	15.85	gallons/minute
gallons/minute	0.2271	cubic meter/hour	gallons/minute	8.0208	cubic feet/hour
<b>LENGTH</b>					
centimeters	0.3937	inches	meters	0.0006214	miles
fathoms	6	feet	meters	1.0936	yards
feet	0.3048	meters	miles	5280	feet
feet	0.0001894	miles (land)	miles	1.6093	kilometers
feet	0.0001645	miles (naut.)	miles (land)	0.8684	miles (naut.)
inches	2.54	centimeters	miles (naut.)	1.1516	miles (land)
inches	25.4	millimeters	millimeters	0.0394	inches
kilometers	0.6214	miles	yards	0.9144	meters
meters	3.2808	feet	yards	0.0005682	miles
<b>MASS</b>					
metric tons	0.9842	tons (long)	tons (long)	2240	pounds
metric tons	1.1023	tons (short)	tons (short)	0.9072	metric tons
tons (long)	1.016	metric tons	tons (short)	2000	pounds
<b>POWER</b>					
BTU/hour	0.2931	watt	horsepower	0.7457	kilowatt
<b>SPEED, VELOCITY</b>					
feet/minute	0.00508	meters/second	miles/hour	88	feet/minute
feet/second	0.3048	meters/second	miles/hour	1.609	kilometer/hour
feet/second	0.6818	miles/hour	revolutions	6.283	radians
<b>TEMPERATURE</b>					
centigrade	$(1.8 \times C) + 32$	fahrenheit	fahrenheit	$(F - 32) \cdot 5556$	centigrade
<b>VOLUME</b>					
cubic feet	0.02832	cubic meters	liters	1.8162	pints (dry)
cubic meter	264.17	gallon	liters	2.1134	pints (liquid)
cubic meters	35.3145	cubic feet	liters	0.9081	quarts (dry)
cubic meters	1.3079	cubic yards	liters	1.0567	quarts (liquid)
cubic yards	0.7646	cubic meters	ounces	0.0625	pounds
gallon	0.003785	cubic meter	pints (liquid)	0.4732	liters
gallon	3.7854	liter	pints(dry)	0.5506	liters
gallons	3.7853	liters	pounds	16	ounces
grams	0.002205	pounds	quarts (dry)	1.1012	liters
liters	0.2642	gallons	quarts (liquid)	0.9463	liters
<b>PRESSURE</b>					
atmospheres	33.9	feet of water	psi	0.06804	atmospheres
atmospheres	14.7	psi	psi	0.069	bar
bar	14.5	psi	psi	2.307	feet of water
feet of water	0.8826	inches of mercury	psi	2.036	inches of mercury
inches of mercury	0.4912	psi	psi	0.07	kilogram/sq.cm
kilopascal	0.145	psi	psi	6.9	kilopascal