

# Conversion Factors

## M

To Convert	Into	Multiply By
maxwells	kilolines	0.001
maxwells	webers	$10^{-8}$
megalines	maxwells	$10^6$
megohms	microhms	$10^{12}$
megohms	ohms	$10^6$
meters	centimeters	100
meters	feet	3.281
meters	inches	39.37
meters	kilometers	0.001
meters	miles (naut)	$5.396 \times 10^{-4}$
meters	miles (stat)	$6.214 \times 10^{-4}$
meters	millimeters	1,000.0
meters	yards	1.094
meters	varas	1.179
meters/min	cms/sec	1.667
meters/min	feet/min	3.281
meters/min	feet/sec	0.05468
meters/min	kms/hr	0.06
meters/min	knots	0.03238
meters/min	miles/hr	0.03728
meters/sec	feet/min	196.8
meters/sec	feet/sec	3.281
meters/sec	kilometers/hr	3.6
meters/sec	kilometers/min	0.06
meters/sec	miles/hr	2.237
meters/sec	miles/min	0.03728
meters/sec/sec	cms/sec/sec	100
meters/sec/sec	ft/sec/sec	3.281
meters/sec/sec	kms/hr/sec	3.6
meters/sec/sec	miles/hr/sec	2.237
meters-kilograms	cm-dynes	$9.807 \times 10^7$
meter-kilograms	cm-grams	$10^5$
meter-kilograms	pound-feet	7.233
microfarad	farads	$10^{-6}$
micrograms	grams	$10^{-6}$
microhms	megohms	$10^{-12}$
microhms	ohms	$10^{-6}$
microliters	liters	$10^{-6}$
Microns	meters	$1 \times 10^{-6}$
mil	inch	0.001
miles (naut)	feet	6,080.27
miles (naut)	kilometers	1,853.0
miles (naut)	league	0.3333
miles (naut)	meters	1,853.0
miles (naut)	miles (statute)	1.1516
miles (naut)	yards	2,027.0
miles (statute)	centimeters	$1.609 \times 10^5$
miles (statute)	feet	5.280
miles (statute)	furlongs	8.0
miles (statute)	inches	$6.336 \times 10^4$
miles (statute)	kilometers	1.609
miles (statute)	meters	1,609.0
miles (statute)	miles (naut)	0.8684
miles (statute)	yards	1,760.0

# Conversion Factors

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To Convert	Into	Multiply By
miles/hr	cms/sec	44.70
miles/hr	feet/min	88
miles/hr	feet/sec	1.467
miles/hr	kms/hr	1.609
miles/hr	kms/min	0.02682
miles/hr	knots	0.8684
miles/hr	meters/min	26.82
miles/hr	miles/min	0.1667
miles/hr/sec	cms/sec/sec	44.70
miles/hr/sec	feet/sec/sec	1.467
miles/hr/sec	kms/hr/sec	1.609
miles/hr/sec	meters/sec/sec	0.4470
miles/min	cms/sec	2,682.0
miles/min	feet/sec	88
miles/min	kms/min	1.609
miles/min	knots/min	0.8684
miles/min	miles/hr	60
mil-feet	cu inches	$9.425 \times 10^{-6}$
milliers	kilograms	1,000.0
Millimicrons	meters	$1 \times 10^{-9}$
Milligrams	grains	0.01543236
milligrams	grams	0.001
milligrams/liter	parts/million	1.0
millihenries	henries	0.001
milliliters	liters	0.001
millimeters	centimeters	0.1
millimeters	feet	$3.281 \times 10^{-3}$
millimeters	inches	0.03937
millimeters	kilometers	$10^{-6}$
millimeters	meters	0.001
millimeters	miles	$6.214 \times 10^{-7}$
millimeters	mils	39.37
millimeters	yards	$1.094 \times 10^{-3}$
million gals/day	cu ft/sec	1.54723
mils	centimeters	$2.540 \times 10^{-3}$
mils	feet	$8.333 \times 10^{-5}$
mils	inches	0.001
mils	kilometers	$2.540 \times 10^{-8}$
mils	yards	$2.778 \times 10^{-5}$
miner's inches	cu ft/min	1.5
Minims (British)	cubic cm (mL)	0.059192
Minims (U.S., fluid)	cubic cm (mL)	0.061612
minutes (angles)	degrees	0.01667
minutes (angles)	quadrants	$1.852 \times 10^{-4}$
minutes (angles)	radians	$2.909 \times 10^{-4}$
minutes (angles)	seconds	60
myriagrams	kilograms	10
myriameters	kilometers	10
myriawatts	kilowatts	10