

Speed conversion chart

km/h, mph, knots, m/s. Factors are given to 7 significant figures; open the converter for full precision and the worked solution.

Conversion factors to metres per second (m/s)		
UNIT	IN M/S	1 M/S IN UNIT
kilometre per hour (km/h)	0.2777778 m/s	3.6 km/h
mile per hour (mph)	0.44704 m/s	2.236936 mph
metre per second (m/s)	1 m/s	1 m/s
knot (kn)	0.5144444 m/s	1.943844 kn
foot per second (ft/s)	0.3048 m/s	3.28084 ft/s
speed of light (c)	299,792,500 m/s	3.335641 × 10 ⁻⁹ c

mph → km/h	
MPH	KM/H
0.1 mph	0.1609344 km/h
0.5 mph	0.804672 km/h
1 mph	1.609344 km/h
2 mph	3.218688 km/h
5 mph	8.04672 km/h
10 mph	16.09344 km/h
20 mph	32.18688 km/h
25 mph	40.2336 km/h
50 mph	80.4672 km/h
100 mph	160.9344 km/h
250 mph	402.336 km/h
500 mph	804.672 km/h
1,000 mph	1,609.344 km/h

km/h → mph	
KM/H	MPH
0.1 km/h	0.06213712 mph
0.5 km/h	0.3106856 mph
1 km/h	0.6213712 mph
2 km/h	1.242742 mph
5 km/h	3.106856 mph
10 km/h	6.213712 mph
20 km/h	12.42742 mph
25 km/h	15.53428 mph
50 km/h	31.06856 mph
100 km/h	62.13712 mph
250 km/h	155.3428 mph
500 km/h	310.6856 mph
1,000 km/h	621.3712 mph

Formula: $\text{km/h} = \text{mph} \times 1.609344$