

Approximate conversion factors from inch-pound to metric units

This table gives easily remembered, approximate conversion factors for some common units, as well as more precise factors. **Boldfaced values are exact.** But remember, estimated values don't warrant precise conversions. If "it was about 100 yards away," then it was about 100 meters away. Only if it was *exactly* 100 yards away would one convert the measurement to 91.44 meters.

To convert from	to	multiply by	More precisely, multiply by	Note
acres (US survey)	hectares (ha)	0.4	0.404 687 3	
feet (ft)	meters (m)	0.3	0.3048	
fluid ounces (fl oz)	milliliters (mL)	30	29.573 53	2
gallons (gal)	liters (L)	3.8	3.785 411 784	2
inches (in)	centimeters (cm)	2.54	2.54	
knots	kilometers per hour (km/h)		1.852	
miles (mi)	kilometers (km)	1.6	1.609 344	
miles per gallon (mi/gal)	liters per 100 km (L/(100 km))		divide 235.215 by mi/gal	
miles per hour (mi/h)	kilometers per hour (km/h)	1.6	1.609 344	
nautical miles	kilometers		1.852	
ounces (oz)	grams (g)	28	28.349 52	1
pound-force (lbf)	newtons (N)		4.448 222	
pounds (lb)	kilograms (kg)	0.45 or divide by 2.2	0.453 592 37	1
pounds per square inch (lbf/in ²)	kilopascals (kPa)		6.894 757	
quarts (qt)	liters (L)	0.9	0.946 352 946	2
square feet (ft ²)	square meters (m ²)	0.1	0.092 903 04	
square miles (mi ²)	square kilometers (km ²)	2.6	2.589 988	
yards (yd)	meters (m)	0.9	0.9144	

Note 1. Ounces and pounds refer to avoirdupois units.

Note 2. Fluid ounces, quarts, and gallons refer to US liquid measures.