

Conversion Chart

Inch and Metric

Tableau de conversion

Pouce et Métrique

METRIC TABLES

- LINEAR** : One METRE (m) = 10 decimetre (dm) = 100 centimetre (cm) = 1000 millimetres (mm)  
1000 metres = One kilometre (km)
- SQUARE** : One SQUARE METRE (m<sup>2</sup>) = 100 sq. decimetres (dm<sup>2</sup>) = 10000 sq. centimetres (cm<sup>2</sup>)  
= 1000 000 sq. millimetres (mm<sup>2</sup>)
- CUBIC** : One CUBIC METRE (m<sup>3</sup>) = 1000 cu. decimetre (dm<sup>3</sup>) = 1000 000 cu. centimetres (cm<sup>3</sup>)
- CAPACITY** : One LITRE (L) = 10 decilitres (dL) = 1000 millilitres (mL)  
100 litres = One hectolitre (hL)
- WEIGHT** : One KILOGRAM (kg) = 100 decagrams (dkg) = 1000 grams (g)  
100 kilos = One metric cent (q)  
1000 kilos = One ton (t)
- PRESSURE** : KILO PER SQUARE CENTIMETRE (kg/cm<sup>2</sup>)  
One kilo per sq. centimetre = One ATMOSPHERE (atm)
- TEMPERATURE** : CENTIGRADE degree (°C) = CELCIUS degree (°C)

METRIC CONVERSION EQUIVALENTS

LINEAR

**INCH to METRIC**

- 1 inch = **25.400 millimetres**
- 1 inch = **2.540 centimetres**
- 1 foot = **304.800 millimetres**
- 1 foot = **30.480 centimetres**
- 1 foot = **0.3048 metres**
- 1 yard = **91.4400 centimetres**
- 1 yard = **0.9144 metres**
- 1 mile = **1.609.35 metres**
- 1 mile = **1.609 kilometres**

**METRIC to INCH**

- 1 millimetre = .0393700 inches
- 1 centimetre = .393700 inches
- 1 metre = 39.3700 inches
- 1 metre = 3.2808 feet
- 1 metre = 1.0936 yards
- 1 kilometre = .62137 miles

AREA

**SQ. INCH to METRIC**

- 1 sq. inch = **645.16 sq. millimetres**
- 1 sq. inch = **6.4516 sq. centimetres**
- 1 sq. foot = **929.00 sq. centimetres**
- 1 sq. foot = **.0929 sq. metres**
- 1 sq. yard = **.836 sq. metres**
- 1 sq. mile = **2.5889 sq. kilometres**

**METRIC to SQ. INCH**

- 1 sq. millimetre = .00155 sq. inches
- 1 sq. centimetre = .1550 sq. inches
- 1 sq. metre = 10.7640 sq. feet
- 1 sq. metre = 1.196 sq. yard
- 1 sq. kilometre = .38614 sq. miles

CUBIC

**CU. INCH to METRIC**

- 1 cu. inch = **16.387 cu. centimetres**
- 1 cu. foot = **.02832 cu. metres**
- 1 cu. yard = **.765 cu. metres**

**METRIC to CU. INCH**

- 1 cu. centimetre = .0610 cu. inches
- 1 cu. metre = 35.314 cu. feet
- 1 cu. metre = 1.308 cu. yards

CAPACITY

**IMPERIAL to METRIC**

- 1 fluid ounce = **28.413 millilitres**
- 1 fluid ounce = **0.02841 litres**
- 1 pint = **0.56826 litres**
- 1 quart = **1.13652 litres**
- 1 gallon = **4.546 litres**

**METRIC to IMPERIAL**

- 1 millilitre = 0.035195 fluid oz.
- 1 centilitre = 0.35195 fluid oz.
- 1 decilitre = 3.5195 fluid oz.
- 1 litre = 0.88 quarts
- 1 hectolitre = 21.9969 gallons

WEIGHT

**AVOIR DUPOIS to METRIC**

- 1 grain = **64.7989 milligrams**
- 1 ounce = **28.35 grams**
- 1 pound = **.4536 kilograms**
- 1 short ton (2000 lbs.) = **907.200 kilograms**
- 1 short ton (2000 lbs.) = **9.072 metric cents**
- 1 short ton (2000 lbs.) = **.9072 ton**

**METRIC to AVOIR DUPOIS**

- 1 gram = 15.432 grains
- 1 dekogram = .353 ounces
- 1 kilogram = 2.2046 pounds
- 1 metric cent = 220.46 pounds
- 1 ton = 2204.6 pounds
- 1 ton = 1.102 short tons

PRESSURE

**POUNDS/INCHES to METRIC**

- 1 pound per square inch = **.0703 kilogram per square centimetre**
- 1 pound per square inch = **.0703 atmosphere (metric)**

**METRIC to POUNDS/INCHES**

- 1 kilogram/sq. centimetre = 14.223 pounds/sq. inch
- 1 kilogram/sq. centimetre = 1 atmosphere

TEMPERATURE

**FAHRENHEIT to CELSIUS**

( °F minus 32° ) x .556 = °Celsius

**CELSIUS to FAHRENHEIT**

( 1.8 x °C ) plus 32° = °Fahrenheit