

Angle conversion chart

Degrees, radians, gradians. Factors are given to 7 significant figures; open the converter for full precision and the worked solution.

Conversion factors to radians (rad)		
UNIT	IN RAD	1 RAD IN UNIT
degree (°)	0.01745329 rad	57.29578 °
radian (rad)	1 rad	1 rad
gradian (gon)	0.01570796 rad	63.66198 gon
arcminute (')	0.0002908882 rad	3,437.747 '
arcsecond (")	0.000004848137 rad	206,264.8 "
turn (tr)	6.283185 rad	0.1591549 tr
milliradian (mrad)	0.001 rad	1,000 mrad

° → rad	
°	RAD
0.1 °	0.001745329 rad
0.5 °	0.008726646 rad
1 °	0.01745329 rad
2 °	0.03490659 rad
5 °	0.08726646 rad
10 °	0.1745329 rad
20 °	0.3490659 rad
25 °	0.4363323 rad
50 °	0.8726646 rad
100 °	1.745329 rad
250 °	4.363323 rad
500 °	8.726646 rad
1,000 °	17.45329 rad

rad → °	
RAD	°
0.1 rad	5.729578 °
0.5 rad	28.64789 °
1 rad	57.29578 °
2 rad	114.5916 °
5 rad	286.4789 °
10 rad	572.9578 °
20 rad	1,145.916 °
25 rad	1,432.394 °
50 rad	2,864.789 °
100 rad	5,729.578 °
250 rad	14,323.94 °
500 rad	28,647.89 °
1,000 rad	57,295.78 °

Formula: $\text{rad} = \text{°} \times 0.01745329252$