

Degrees to Radians conversion calculator

Enter angle in degrees and press the *Convert* button (e.g:30°, -60°):

Enter Degrees:

Radians result:

Angle view:

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How to convert degrees to radians

Pi radians are equal to 180 degrees:

$$\pi \text{ rad} = 180^\circ$$

One degree is equal 0.01745329252 radians:

$$1^\circ = \pi/180^\circ = 0.005555556\pi = 0.01745329252 \text{ rad}$$

The angle α in radians is equal to the angle α in degrees times pi constant divided by 180 degrees:

$$\alpha_{(\text{radians})} = \alpha_{(\text{degrees})} \times \pi / 180^\circ$$

or

$$\text{radians} = \text{degrees} \times \pi / 180^\circ$$

Example

Convert 30 degrees angle to radians:

$$\alpha_{(\text{radians})} = \alpha_{(\text{degrees})} \times \pi / 180^\circ = 30^\circ \times 3.14159 / 180^\circ =$$

$$0.5236 \text{ rad}$$

Degrees to radians conversion table

Degrees (°)	Radians (rad)	Radians (rad)
0°	0 rad	0 rad
30°	$\pi/6$ rad	0.5235987756 rad
45°	$\pi/4$ rad	0.7853981634 rad
60°	$\pi/3$ rad	1.0471975512 rad
90°	$\pi/2$ rad	1.5707963268 rad
120°	$2\pi/3$ rad	2.0943951024 rad

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- [Base converter](#)
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- [ppm to ppb](#)
- [ppm to ppt](#)
- [ppb to ppm](#)
- [ppt to ppm](#)
- [ppm converter](#)
- [Radians to degrees](#)

Degrees	Radians	Decimal Radians
135°	$3\pi/4$ rad	2.3561944902 rad
150°	$5\pi/6$ rad	2.6179938780 rad
180°	π rad	3.1415926536 rad
270°	$3\pi/2$ rad	4.7123889804 rad
360°	2π rad	6.2831853072 rad

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