Radians to Degrees Conversion Chart

Radians to degrees from 0.05 to 6.30 rad, with multiples of π

For: Students, programmers, engineers and physicists

allunitconversions.com/rad-to-deg-conversion-chart
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EXACT DEFINITION	FORMULA	REVERSE	WORKED EXAMPLE
π rad = 180° exactly, so 1 rad = 57.295 78°	° = rad × 180 ÷ π	rad = ° × π ÷ 180	2 rad × 57.29578 = 114.59°

Degrees are rounded to 3 decimal places.

Multiples of π

Radians	Radians (rad)	Degrees (°)	Radians	Radians (rad)	Degrees (°)
π/6	0.523599	30	5π/6	2.617994	150
π/4	0.785398	45	π	3.141593	180
π/3	1.047198	60	5π/4	3.926991	225
π/2	1.570796	90	3π/2	4.712389	270
2π/3	2.094395	120	7π/4	5.497787	315
3π/4	2.356194	135	2π	6.283185	360

0.05 to 6.30 rad

Radians (rad)	Degrees (°)	Radians (rad)	Degrees (°)	Radians (rad)	Degrees (°)	Radians (rad)	Degrees (°)
0.05	2.865	**1.65**	94.538	**3.25**	186.211	**4.85**	277.885
0.10	5.730	**1.70**	97.403	**3.30**	189.076	**4.90**	280.749
0.15	8.594	**1.75**	100.268	**3.35**	191.941	**4.95**	283.614
0.20	11.459	**1.80**	103.132	**3.40**	194.806	**5.00**	286.479
0.25	14.324	**1.85**	105.997	**3.45**	197.670	**5.05**	289.344
0.30	17.189	**1.90**	108.862	**3.50**	200.535	**5.10**	292.208
0.35	20.054	**1.95**	111.727	**3.55**	203.400	**5.15**	295.073
0.40	22.918	**2.00**	114.592	**3.60**	206.265	**5.20**	297.938
0.45	25.783	**2.05**	117.456	**3.65**	209.130	**5.25**	300.803
0.50	28.648	**2.10**	120.321	**3.70**	211.994	**5.30**	303.668
0.55	31.513	**2.15**	123.186	**3.75**	214.859	**5.35**	306.532
0.60	34.377	**2.20**	126.051	**3.80**	217.724	**5.40**	309.397
0.65	37.242	**2.25**	128.916	**3.85**	220.589	**5.45**	312.262
0.70	40.107	**2.30**	131.780	**3.90**	223.454	**5.50**	315.127
0.75	42.972	**2.35**	134.645	**3.95**	226.318	**5.55**	317.992
0.80	45.837	**2.40**	137.510	**4.00**	229.183	**5.60**	320.856
0.85	48.701	**2.45**	140.375	**4.05**	232.048	**5.65**	323.721
0.90	51.566	**2.50**	143.239	**4.10**	234.913	**5.70**	326.586
0.95	54.431	**2.55**	146.104	**4.15**	237.777	**5.75**	329.451
1.00	57.296	**2.60**	148.969	**4.20**	240.642	**5.80**	332.316
1.05	60.161	**2.65**	151.834	**4.25**	243.507	**5.85**	335.180
1.10	63.025	**2.70**	154.699	**4.30**	246.372	**5.90**	338.045
1.15	65.890	**2.75**	157.563	**4.35**	249.237	**5.95**	340.910
1.20	68.755	**2.80**	160.428	**4.40**	252.101	**6.00**	343.775
1.25	71.620	**2.85**	163.293	**4.45**	254.966	**6.05**	346.639

Radians (rad)	Degrees (°)	Radians (rad)	Degrees (°)	Radians (rad)	Degrees (°)	Radians (rad)	Degrees (°)
1.30	74.485	**2.90**	166.158	**4.50**	257.831	**6.10**	349.504
1.35	77.349	**2.95**	169.023	**4.55**	260.696	**6.15**	352.369
1.40	80.214	**3.00**	171.887	**4.60**	263.561	**6.20**	355.234
1.45	83.079	**3.05**	174.752	**4.65**	266.425	**6.25**	358.099
1.50	85.944	**3.10**	177.617	**4.70**	269.290	**6.30**	360.963
1.55	88.808	**3.15**	180.482	**4.75**	272.155		
1.60	91.673	**3.20**	183.346	**4.80**	275.020		

Sources and method

- **BIPM SI Brochure, 9th edition** — Definitions of the SI units, including the kelvin (www.bipm.org/en/publications/si-brochure)
- **NIST Special Publication 811** — Guide for the Use of the International System of Units (www.nist.gov/pml/special-publication-811)

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