

α radianti	α gradi	$\cos \alpha$	$\sin \alpha$
0	0°	1	0
$\frac{\pi}{12}$	15°	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$\frac{\sqrt{6} - \sqrt{2}}{4}$
$\frac{\pi}{10}$	18°	$\frac{\sqrt{10 + 2\sqrt{5}}}{4}$	$\frac{\sqrt{5} - 1}{4}$
$\frac{\pi}{8}$	22°30'	$\frac{\sqrt{2 + \sqrt{2}}}{2}$	$\frac{\sqrt{2 - \sqrt{2}}}{2}$
$\frac{\pi}{6}$	30°	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$
$\frac{\pi}{5}$	36°	$\frac{\sqrt{5} + 1}{4}$	$\frac{\sqrt{10 - 2\sqrt{5}}}{4}$
$\frac{\pi}{4}$	45°	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$
$\frac{3\pi}{10}$	54°	$\frac{\sqrt{10 - 2\sqrt{5}}}{4}$	$\frac{\sqrt{5} + 1}{4}$
$\frac{\pi}{3}$	60°	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$
$\frac{3\pi}{8}$	67°30'	$\frac{\sqrt{2 - \sqrt{2}}}{2}$	$\frac{\sqrt{2 + \sqrt{2}}}{2}$
$\frac{2\pi}{5}$	72°	$\frac{\sqrt{5} - 1}{4}$	$\frac{\sqrt{10 + 2\sqrt{5}}}{4}$
$\frac{5\pi}{12}$	75°	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$\frac{\sqrt{6} + \sqrt{2}}{4}$
$\frac{\pi}{2}$	90°	0	1
$\frac{7\pi}{12}$	105°	$\frac{\sqrt{2} - \sqrt{6}}{4}$	$\frac{\sqrt{6} + \sqrt{2}}{4}$
$\frac{3\pi}{5}$	108°	$\frac{1 - \sqrt{5}}{4}$	$\frac{\sqrt{10 + 2\sqrt{5}}}{4}$
$\frac{5\pi}{8}$	112°30'	$-\frac{\sqrt{2 - \sqrt{2}}}{2}$	$\frac{\sqrt{2 + \sqrt{2}}}{2}$
$\frac{2\pi}{3}$	120°	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$
$\frac{7\pi}{10}$	126°	$-\frac{\sqrt{10 - 2\sqrt{5}}}{4}$	$\frac{\sqrt{5} + 1}{4}$
$\frac{3\pi}{4}$	135°	$-\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$
$\frac{4\pi}{5}$	144°	$-\frac{\sqrt{5} + 1}{4}$	$\frac{\sqrt{10 - 2\sqrt{5}}}{4}$
$\frac{5\pi}{6}$	150°	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$
$\frac{7\pi}{8}$	157°30'	$-\frac{\sqrt{2 + \sqrt{2}}}{2}$	$\frac{\sqrt{2 - \sqrt{2}}}{2}$
$\frac{9\pi}{10}$	162°	$-\frac{\sqrt{10 + 2\sqrt{5}}}{4}$	$\frac{\sqrt{5} - 1}{4}$
$\frac{11\pi}{12}$	165°	$-\frac{\sqrt{6} + \sqrt{2}}{4}$	$\frac{\sqrt{6} - \sqrt{2}}{4}$
π	180°	-1	0

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$\frac{13\pi}{12}$	195°	$-\frac{\sqrt{6} + \sqrt{2}}{4}$	$\frac{\sqrt{2} - \sqrt{6}}{4}$
$\frac{11\pi}{10}$	198°	$-\frac{\sqrt{10 + 2\sqrt{5}}}{4}$	$\frac{1 - \sqrt{5}}{4}$
$\frac{9\pi}{8}$	$202^\circ 30'$	$-\frac{\sqrt{2 + \sqrt{2}}}{2}$	$-\frac{\sqrt{2 - \sqrt{2}}}{2}$
$\frac{7\pi}{6}$	210°	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$
$\frac{6\pi}{5}$	216°	$-\frac{\sqrt{5} + 1}{4}$	$-\frac{\sqrt{10 - 2\sqrt{5}}}{4}$
$\frac{5\pi}{4}$	225°	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$
$\frac{13\pi}{10}$	234°	$-\frac{\sqrt{10 - 2\sqrt{5}}}{4}$	$-\frac{\sqrt{5} + 1}{4}$
$\frac{4\pi}{3}$	240°	$-\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$
$\frac{11\pi}{8}$	$247^\circ 30'$	$-\frac{\sqrt{2 - \sqrt{2}}}{2}$	$-\frac{\sqrt{2 + \sqrt{2}}}{2}$
$\frac{7\pi}{5}$	252°	$\frac{1 - \sqrt{5}}{4}$	$-\frac{\sqrt{10 + 2\sqrt{5}}}{4}$
$\frac{17\pi}{12}$	255°	$\frac{\sqrt{2} - \sqrt{6}}{4}$	$-\frac{\sqrt{6} + \sqrt{2}}{4}$
$\frac{3\pi}{2}$	270°	0	-1
$\frac{19\pi}{12}$	285°	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$-\frac{\sqrt{6} + \sqrt{2}}{4}$
$\frac{8\pi}{5}$	288°	$\frac{\sqrt{5} - 1}{4}$	$-\frac{\sqrt{10 + 2\sqrt{5}}}{4}$
$\frac{13\pi}{8}$	$292^\circ 30'$	$\frac{\sqrt{2 - \sqrt{2}}}{2}$	$-\frac{\sqrt{2 + \sqrt{2}}}{2}$
$\frac{5\pi}{3}$	300°	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$
$\frac{17\pi}{10}$	306°	$\frac{\sqrt{10 - 2\sqrt{5}}}{4}$	$-\frac{\sqrt{5} + 1}{4}$
$\frac{7\pi}{4}$	315°	$\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$
$\frac{9\pi}{5}$	324°	$\frac{\sqrt{5} + 1}{4}$	$-\frac{\sqrt{10 - 2\sqrt{5}}}{4}$
$\frac{11\pi}{6}$	330°	$\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$
$\frac{15\pi}{8}$	$337^\circ 30'$	$\frac{\sqrt{2 + \sqrt{2}}}{2}$	$-\frac{\sqrt{2 - \sqrt{2}}}{2}$
$\frac{19\pi}{10}$	342°	$\frac{\sqrt{10 + 2\sqrt{5}}}{4}$	$\frac{1 - \sqrt{5}}{4}$
$\frac{23\pi}{12}$	345°	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$\frac{\sqrt{2} - \sqrt{6}}{4}$
2π	360°	1	0