

Radians

Radians are a unit of angle measurement that is mathematically more convenient than degrees. Where angles specified in degrees range from 0 to 360, angles specified in radians range from 0 to 2π , with 0 radians measured along the positive X axis and increasing counter clockwise.

This puts the positive Y axis (90 degrees) at $\pi/2$ radians, the negative X axis (180 degrees) at π radians, and the negative Y axis (270 degrees) at $3\pi/2$ radians. If you (or your application) are more comfortable with degrees, radians can be converted to degrees by multiplying a radian value by 57.2958. To convert degrees to radians, multiply by $\pi/180$.