# How do I use the ACOS function in Google Sheets?

Authored by

**stats writer**

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The ACOS function in Google Sheets is a mathematical function that calculates the inverse cosine of a given value. This function can be used to find the angle whose cosine is equal to the given value. To use the ACOS function in Google Sheets, simply enter the desired value or cell reference as the argument and the function will return the calculated result. This function is useful for various applications such as calculating angles in geometry or trigonometry problems. It is a useful tool for data analysis and can be easily incorporated into formulas and equations within a spreadsheet.

## ACOS

The ACOS function returns the inverse cosine of a value in radians.

### Sample Usage

`ACOS(0)`

`ACOS(A2)`

`ACOS(1)`

### Syntax

`ACOS(value)`

`value` - The value for which to calculate the inverse cosine. Must be between `-1` and `1`, inclusive.

### Notes

Use the `DEGREES` function to convert the result of `ACOS` into degrees.
Cosine is periodic, therefore there are many solutions to the inverse. `ACOS` returns the solution between 0 and Pi.

### See Also

`TANH`: The TANH function returns the hyperbolic tangent of any real number.

`TAN`: The TAN function returns the tangent of an angle provided in radians.

`SINH`: The SINH function returns the hyperbolic sine of any real number.

`SIN`: The SIN function returns the sine of an angle provided in radians.

`RADIANS`: The RADIANS function converts an angle value in degrees to radians.

`PI`: The PI function returns the value of pi to 9 decimal places.

`DEGREES`: The DEGREES function converts an angle value in radians to degrees.

`COSH`: The COSH function returns the hyperbolic cosine of any real number.

`COS`: The COS function returns the cosine of an angle provided in radians.

`ATANH`: The ATANH function returns the inverse hyperbolic tangent of a number.

`ATAN2`: The ATAN2 function returns the angle between the x-axis and a line segment from the origin (0,0) to the specified coordinate pair (`x`,`y`), in radians.

`ATAN`: The ATAN function returns the inverse tangent of a value in radians.

`ASINH`: The ASINH function returns the inverse hyperbolic sine of a number.

`ASIN`: The ASIN function returns the inverse sine of a value in radians.

`ACOSH`: The ACOSH function returns the inverse hyperbolic cosine of a number.

## Examples