

# How do I use the SECH function in Excel?

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The SECH function in Excel is a mathematical function used to calculate the hyperbolic secant of a given number. It is commonly used in financial analysis, statistics, and engineering applications. To use the SECH function, simply enter the function name followed by the number or cell reference for which you want to calculate the hyperbolic secant. The result will be a decimal value between 0 and 1. This function can be helpful in solving complex equations and analyzing data. It is important to note that the SECH function is only available in newer versions of Excel (2013 or later).

This article describes the formula syntax and usage of the SECH function in Microsoft Excel.

## Description

Returns the hyperbolic secant of an angle.

## Syntax

SECH(number)

The SECH function syntax has the following arguments.

**Number** Required. Number is the angle in radians for which you want the hyperbolic secant.

## Remarks

The absolute value of number must be less than  $2^{27}$ .

If the angle is in degrees, either multiply the angle by  $\text{PI}()/180$  or use the RADIANS function to convert the angle to radians.

If number is outside of its constraints, SECH returns the #NUM! error value.

If number is a non-numeric value, SECH returns the #VALUE! error values.