

# How can I use the IMCSC function in Google Sheets?

Authored by  
**stats writer**

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## RECOMMENDED CITATION

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The IMCSC function in Google Sheets is a useful tool for calculating the inverse cosine of a given number. This function can be used to quickly and accurately determine the angle in radians that corresponds to a given cosine value. To use the IMCSC function, simply enter the desired number into the function's argument field and press enter. The result will be displayed in the cell where the function was entered. This function can be especially helpful for those needing to perform complex trigonometric calculations in their Google Sheets spreadsheet.

## IMCSC function

The IMCSC function returns the cosecant of the given complex number. For example, a given complex number "x+yi" returns "csc(x+yi)."

### Parts of an IMCSC formula

IMCSC ( number )

Part	Description	Notes
number	The complex number for which you want the cosecant.	This can be either the result of the COMPLEX function, a real number (which will be interpreted as a complex number with imaginary part equal to 0), or a string in the format "x+yi" where x and y are numeric.

### Sample formulas

IMCSC ( COMPLEX ( 4 , 6 ) )

IMCSC ( 4 )

IMCSC ( " 2+3i " )

### Notes

The IMCSC function returns an error if the given number isn't a valid complex number or if the cosecant function is undefined for the given number.

### Examples

	A	B
1	Formula	Result
2	=IMCSC(COMPLEX(4, 3))	-0.0754898329158637+0.0648774713706355i

3	=IMCSC(0.213)	4.73052448711521
4	=IMCSC("2-2i")	0.244687073586957-0.107954592221385i

### Related functions

COMPLEX: The COMPLEX function creates a complex number, given real and imaginary coefficients.

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