

# How can I use the GAMMA.INV function in Google Sheets?

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## RECOMMENDED CITATION

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=162431>

The GAMMA.INV function in Google Sheets allows users to calculate the inverse of the gamma cumulative distribution for a given probability and shape parameter. This function is useful for statistical analysis and can be used by entering the appropriate arguments in the formula bar. By using the GAMMA.INV function, users can easily and accurately calculate the inverse of the gamma distribution in their Google Sheets documents.

## GAMMA.INV function

The GAMMA.INV function returns the value of the inverse gamma cumulative distribution function for the specified probability, alpha, and beta parameters.

### Parts of a GAMMA.INV formula

`GAMMA.INV(probability, alpha, beta)`

Part	Description	Notes
probability	The input to the inverse gamma distribution function.	Must be between 0 and 1.
alpha	The shape of the gamma distribution.	Must be positive. The sign of significance is ignored.
beta	The scale of the gamma distribution.	Must be positive.

### Sample formulas

`GAMMA.INV(0.65, 4, 2)`

`GAMMA.INV(C3, 3, 2)`

### Note

You can use `GAMMAINV` or `GAMMA.INV` to perform this function.

### Example

	A	B
1	<b>Formula</b>	<b>Result</b>
2	<code>=GAMMA.INV(0.3, 5, 1)</code>	3.633609083

## Related function

**GAMMA.DIST:** The GAMMA.DIST function calculates the gamma distribution, a 2-parameter continuous probability distribution.

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