

How can I format time with milliseconds in Excel?

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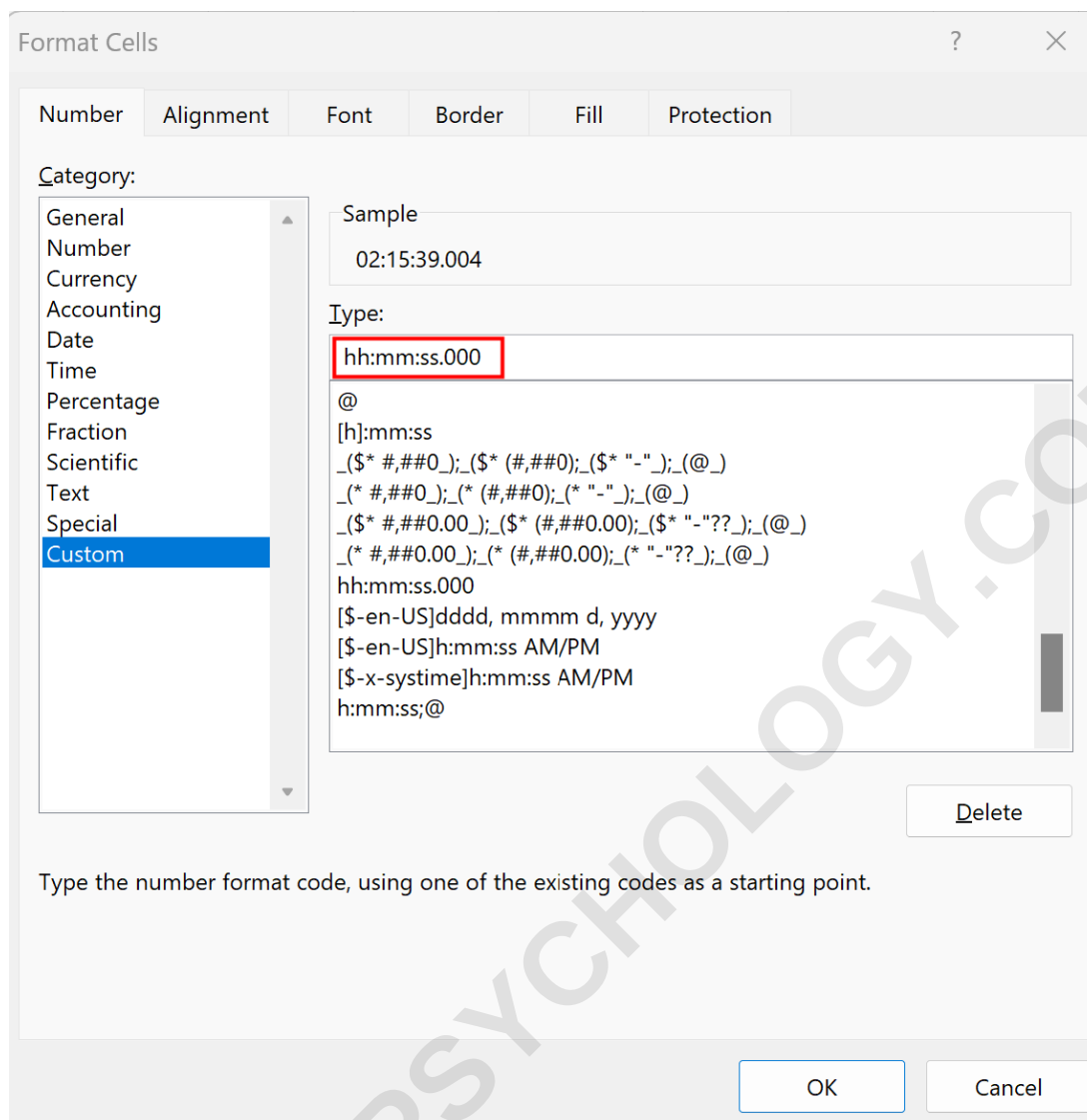
RECOMMENDED CITATION

stats writer (2024). *How can I format time with milliseconds in Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=147243>

To format time with milliseconds in Excel, first select the cell or cells containing the time values. Then, go to the "Number" tab in the Home menu and click on the drop-down arrow next to the "Time" category. From the list of options, choose "More Number Formats" and a new window will appear. Under the "Custom" category, enter the format code "hh:mm:ss.000" and click "OK". This will display the time values with milliseconds in the selected cells. Alternatively, you can use the "TEXT" function and specify the format code in the formula.

Excel: Format Time with Milliseconds

You can format time values in Excel to display milliseconds by using the Format Cells option and specifying hh:mm:ss.000 as the custom time format.



The image shows the 'Format Cells' dialog box in Microsoft Excel. The 'Custom' category is selected in the left-hand list. In the 'Type' field, the format code 'hh:mm:ss.000' is entered and highlighted with a red box. Below the 'Type' field, a list of available format codes is shown, including '@', '[h]:mm:ss', and various scientific and text formats. The 'Sample' field at the top displays '02:15:39.004'. At the bottom of the dialog, there are 'OK', 'Cancel', and 'Delete' buttons. A watermark 'ARABPSYCHOLOGY.COM' is visible across the dialog box.

Format Cells

Number Alignment Font Border Fill Protection

Category:

- General
- Number
- Currency
- Accounting
- Date
- Time
- Percentage
- Fraction
- Scientific
- Text
- Special
- Custom

Sample

02:15:39.004

Type:

hh:mm:ss.000

@
[h]:mm:ss
(\$* #,##0);_(\$* (#,##0);_(\$* "-"_);_(@_)
(\$* #,##0);_(\$* (#,##0);_(\$* "-"_);_(@_)
(\$* #,##0.00);_(\$* (#,##0.00);_(\$* "-"??_);_(@_)
(\$* #,##0.00);_(\$* (#,##0.00);_(\$* "-"??_);_(@_)
hh:mm:ss.000
[\$-en-US]dddd, mmmm d, yyyy
[\$-en-US]h:mm:ss AM/PM
[\$-x-systime]h:mm:ss AM/PM
h:mm:ss;@

Delete

Type the number format code, using one of the existing codes as a starting point.

OK Cancel

The following step-by-step example shows how to display milliseconds in practice.

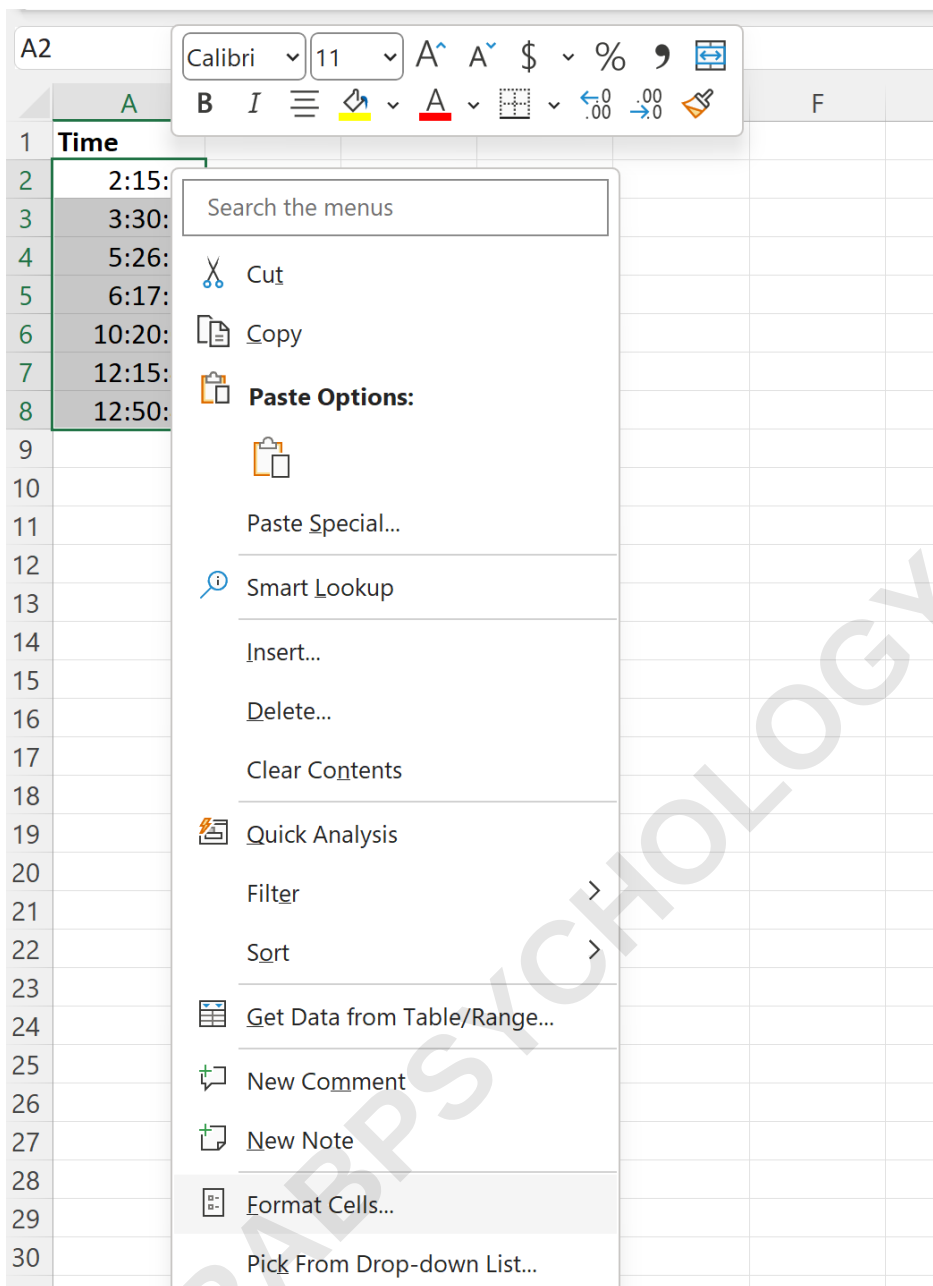
Example: Format Time with Milliseconds in Excel

First, let's enter a list of times into column A:

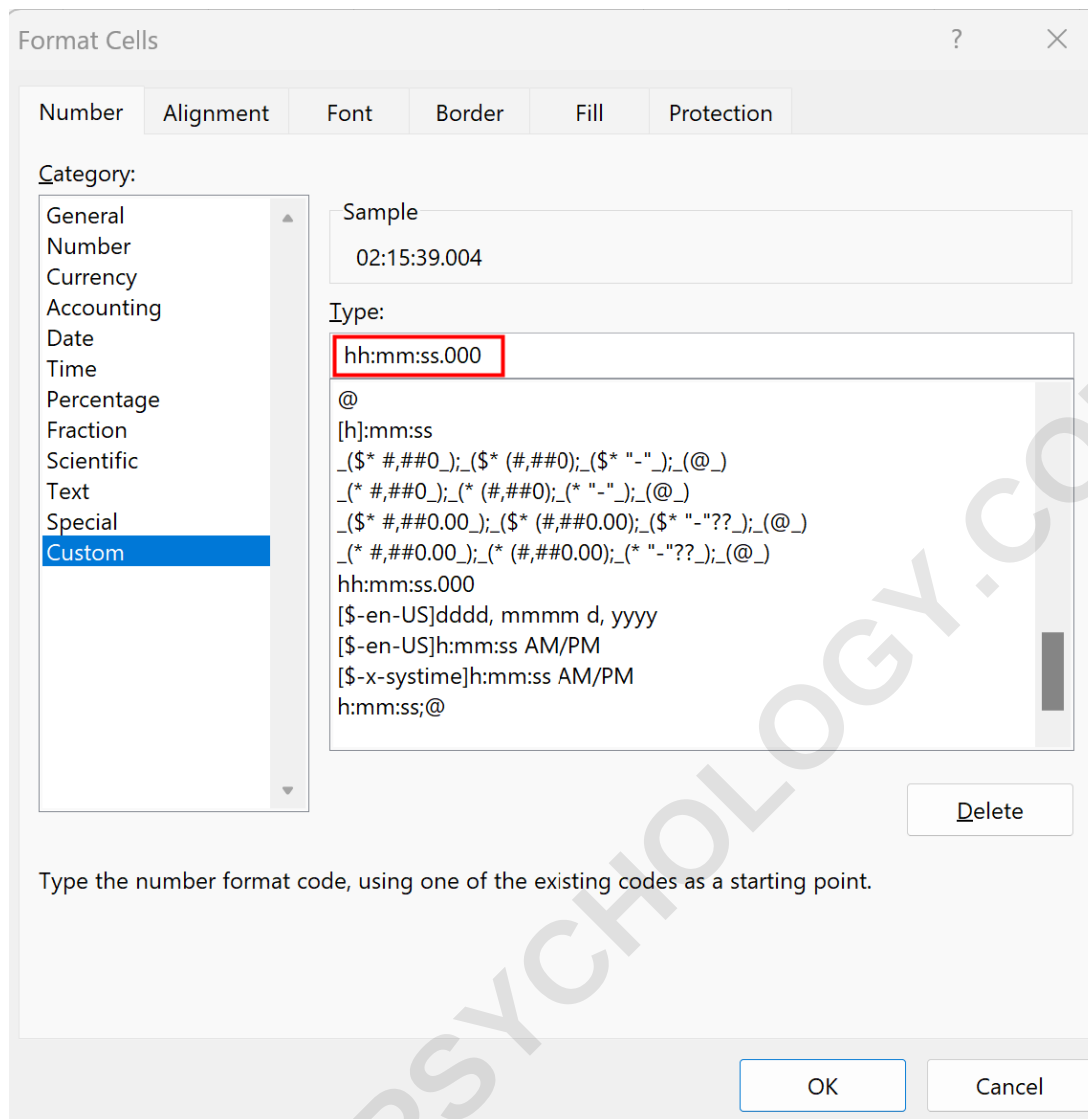
	A	B	C	D	E
1	Time				
2	2:15:39				
3	3:30:22				
4	5:26:59				
5	6:17:39				
6	10:20:00				
7	12:15:45				
8	12:50:45				
9					
10					
11					
12					
13					
14					
15					
16					

Note: We actually entered these times with milliseconds but Excel displays the time without milliseconds by default.

Next, highlight the cells in the range A2:A8, then right click and choose Format Cells from the dropdown menu:



In the new window that appears, click Custom from the Category list, then type hh:mm:ss.000 in the Type box:



The image shows the 'Format Cells' dialog box in Microsoft Excel. The 'Custom' category is selected in the left-hand list. In the 'Type' field, the custom format code 'hh:mm:ss.000' is entered and highlighted with a red rectangle. The 'Sample' field displays '02:15:39.004'. Below the 'Type' field, a list of available format codes is shown, including '@', '[h]:mm:ss', and various date and time codes. A 'Delete' button is located to the right of the list. At the bottom of the dialog, there are 'OK' and 'Cancel' buttons. A watermark 'ARABPSYCHOLOGY.COM' is visible diagonally across the dialog box.

Format Cells

Number Alignment Font Border Fill Protection

Category:

- General
- Number
- Currency
- Accounting
- Date
- Time
- Percentage
- Fraction
- Scientific
- Text
- Special
- Custom

Sample

02:15:39.004

Type:

hh:mm:ss.000

@

[h]:mm:ss

(\$* #,##0);_(\$* (#,##0);_(\$* "- "_);_(@_)

(* #,##0);_(* (#,##0);_(* "- "_);_(@_)

(\$* #,##0.00);_(\$* (#,##0.00);_(\$* "- "?_);_(@_)

(* #,##0.00);_(* (#,##0.00);_(* "- "?_);_(@_)

hh:mm:ss.000

[\$-en-US]dddd, mmmm d, yyyy

[\$-en-US]h:mm:ss AM/PM

[\$-x-systime]h:mm:ss AM/PM

h:mm:ss;@

Delete

Type the number format code, using one of the existing codes as a starting point.

OK Cancel

Once you click OK, each of the time values in column A will now display milliseconds:

	A	B	C	D	E	F
1	Time					
2	02:15:39.004					
3	03:30:22.000					
4	05:26:59.043					
5	06:17:39.002					
6	10:20:00.045					
7	12:15:44.734					
8	12:50:45.004					
9						
10						
11						
12						
13						
14						
15						
16						
17						

Note: We used the formula hh:mm:ss.000 in the Type box to tell Excel to display hours (hh), then minutes (mm), then seconds (ss), then milliseconds (.000) with three decimal places.

The following tutorials explain how to perform other common tasks in Excel: