#### [CELL](CELL.docx)

[Syntax](Syntax.docx):

[CELL](CELL.docx) ( category [ , [reference](reference.docx) ] )

Description: Retrieves information about the formatting, [location](location.docx), or contents of the upper-left [cell](cell.docx) indicated by [reference](reference.docx). category indicates the kind of information to be retrieved.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| category | [text](text.docx) | The category string as defined in the [table](table.docx) following. |
| [reference](reference.docx) | [reference](reference.docx) | Refers to the [cell](cell.docx) whose category information is being requested. If [reference](reference.docx) is a [cell](cell.docx) range, the first [cell](cell.docx) in that range is the [cell](cell.docx) whose category information is being requested. If [reference](reference.docx) is omitted, the information retrieved pertains to the most recent [cell](cell.docx) whose value was changed. For the category "[format](format.docx)", if [reference](reference.docx) designates a [cell](cell.docx) formatted with a built-in number [format](format.docx), the number [format](format.docx) string is as defined in the [table](table.docx) following. |

|  |  |  |
| --- | --- | --- |
| category | Meaning | Result Type |
| "address" | Reference of the first [cell](cell.docx) in [reference](reference.docx). | [text](text.docx) |
| "[col](col.docx)" | Column number of the [cell](cell.docx) in [reference](reference.docx). | number |
| "[color](color.docx)" | 1 if the [cell](cell.docx) is formatted in [color](color.docx) for negative values; otherwise, 0. 0 if the [cell](cell.docx) does not contain a number. | number |
| "contents" | Value of the upper-left [cell](cell.docx) in [reference](reference.docx). | Text or number |
| "filename" | Fully qualified filename of the file that contains [reference](reference.docx). However, if the [worksheet](worksheet.docx) that contains [reference](reference.docx) has not yet been saved, the filename is an empty string. | [text](text.docx) |
| "[format](format.docx)" | Number [format](format.docx) of the cell. (See the [table](table.docx) of [formats](formats.docx) below.) The number [format](format.docx) string has "-" appended if the [cell](cell.docx) is formatted in [color](color.docx) for negative values. The number [format](format.docx) string has "()" appended if the [cell](cell.docx) is formatted in [color](color.docx) for positive or all values. | [text](text.docx) |
| "parentheses" | 1 if the [cell](cell.docx) is formatted with parentheses for positive or all values; otherwise, 0. 0 if the [cell](cell.docx) does not contain a number. | number |
| "prefix" | Text value corresponding to the label prefix of the [cell](cell.docx), as follows:* Single quotation mark (') if the [cell](cell.docx) contains left-aligned text
* Double quotation mark (") if the [cell](cell.docx) contains right-aligned text
* Caret (^) if the [cell](cell.docx) contains centered text
* Backslash (\) if the [cell](cell.docx) contains fill-aligned text
* Empty string if the [cell](cell.docx) contains anything else
 | [text](text.docx) |
| "protect" | 0 if the [cell](cell.docx) is not locked; otherwise, 1. | number |
| "[row](row.docx)" | Row number of the [cell](cell.docx) in reference. | number |
| "type" | Text value corresponding to the type of data in the cell.* "[b](b.docx)" (blank) if the [cell](cell.docx) is empty
* "l" (label) if the [cell](cell.docx) contains a text constant
* "[v](v.docx)" (value) if the [cell](cell.docx) contains anything else
 | [text](text.docx) |
| "width" | Column width of the [cell](cell.docx) rounded off to an integer. Each unit of column width is equal to the width of one character in the default font size. | number |

|  |  |
| --- | --- |
| Format | Number Format String |
| 0 | "F0" |
| 0.00 | "F2" |
| #,##0 | ",0" |
| #,##0.00 | ",2" |
| $#,##0\_);($#,##0) | "C0" |
| $#,##0\_);[Red]($#,##0) | "C0-" |
| $#,##0.00\_);($#,##0.00) | "C2" |
| $#,##0.00\_);[Red]($#,##0.00) | "C2-" |
| 0% | "P0" |
| 0.00% | "P2" |
| 0.00E+00 | "S2" |
| General | "G" |
| # ?/?# ??/?? | "G" |
| d-mmm-yydd-mmm-yy | "D1" |
| d-mmmdd-mmm | "D2" |
| mmm-yy | "D3" |
| [m](m.docx)/[d](d.docx)/yy[m](m.docx)/[d](d.docx)/yy h:mmmm/dd/yy | "D4" |
| mm/dd | "D5" |
| h:mm:ss AM/PM | "D6" |
| h:mm AM/PM | "D7" |
| h:mm:ss | "D8" |
| h:mm | "D9" |

Return Type and Value: various (see [table](table.docx) above) – The value corresponding to category, and whose type is shown in the category value [table](table.docx) above.

However, if category is invalid, #VALUE! is returned.

[Example:

CELL("address",A10) might result in $E$289
CELL("contents",A10:B10), results in xxx, when A10 contains xxx, and B10 contains anything
CELL("filename",A10) might result in E:\Formulas\[Test.xlsx]Sheet1
CELL("[format](format.docx)",A10) results in G, when A10 contains xxx
CELL("[format](format.docx)",A10) results in F2-, when A10 contains (123.00)
CELL("[format](format.docx)",A10) results in C3-, when A10 contains $123,456.780
CELL("[format](format.docx)",A10) results in S3, when A10 contains 1.235E+05
CELL("prefix",A10) results in ', when A10 contains xxx
CELL("type",A10) results in l, when A10 contains xxx

end example]