

<https://en.support.wordpress.com/latex/>:



# LaTeX (support.wordpress.com)

WordPress.com supports  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ , a typesetting system that's really good at formatting mathematical formulas and equations.

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## Using LaTeX

To include  $\text{LaTeX}$  code in your post, use the following format:

**`$latex your-latex-code-here$`**

For example,

**`$latex \hbar\frac{\partial}{\partial t}|\Psi(t)\rangle = H|\Psi(t)\rangle$`**

produces

$$i\hbar\frac{\partial}{\partial t}|\Psi(t)\rangle = H|\Psi(t)\rangle$$

★ If you wish to copy and paste this formula to test it out, we recommend pasting it as [plain text](#).

## LaTeX Error

If your  $\text{LaTeX}$  code is broken, instead of the equation you'll see an ugly yellow and red error message. We can't provide support for  $\text{LaTeX}$  syntax, but there are plenty of useful guides online. A quick post in our [forums](#), or the [Stack Exchange LaTeX forum](#), might find you a solution. One thing to keep in mind is that WordPress puts all of your  $\text{LaTeX}$  code inside a  $\text{LaTeX}$  `math` environment. If you try to use  $\text{LaTeX}$  that doesn't work inside the `math` environment (such as `\begin{align} ... \end{align}`), you will get an error:

**Formula does not parse**

## LaTeX Size

You can change the size of the LaTeX by specifying an `s` parameter after the  $\text{LaTeX}$  code.

**`$latex \LaTeX&s=X$`**

Where X goes from -4 to 4 (0 is the default). These sizes correspond to  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ 's font size commands:

s=	font size	Example
-4	<code>\tiny</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
-3	<code>\scriptsize</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
-2	<code>\footnotesize</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
-1	<code>\small</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
0	<code>\normalsize</code> (12pt)	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
1	<code>\large</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
2	<code>\Large</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
3	<code>\LARGE</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$
4	<code>\huge</code>	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$

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## LaTeX Colors

WordPress tries to guess the background and foreground colors of your site and generates the  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  image accordingly. But you can change the colors. You can specify `bg` and `fg` parameters after the  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  code to change the background and foreground colors, respectively. The colors must be in hexadecimal RGB format: `ffffff` for white, `0000ff` for bright blue, etc.

**`$\text{latex} \text{ \LaTeX\&bg=ffcccc\&fg=cc00ff\&s=4$`**

$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$

## LaTeX Packages

WordPress.com uses standard  $\text{\LaTeX}$  with the following packages:

- amsmath
- amsfonts
- amssymb

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## More Information

For more information about  $\text{\LaTeX}$ , you can visit [LaTeX documentation](#) site and [TeX Resources](#) by American Mathematical Society.