

## typst-function Example

This filter allows you to use Typst functions using divs from Quarto.

To demonstrate it, let's first use raw Typst to show we can use that to set up functions and other rules.

You can do things just using raw Typst.

“This just gets passed to Typst directly.” Then we can introduce a div `.align` which will call `#align()`. To pass it an argument, we use the `arguments` command.

This text gets centered from Typst without breaking things like code processing.

We can stack the divs too.

`.betrævni ævslqzib bæv tfgir bængils ætæg ænni æht oð`

Named arguments are passed using `name: value` syntax.

This gets placed in a block, since it is in a div. But, it isn't listed in the `functions` key in the metadata, so nothing else changes.

This filter also *experimentally* supports adding a label to the output, such as below:

Look at how yellow this gets.

We can then link to it like so.

This filter *experimentally* supports spreading arguments. This will place the block after the last argument and insert

Hi Hi Hi Hi Hi Hi Hi Hi Hi Hi Hi Hi Hi Hi Hi Hi

Finally, this filter also supports spans. Unlike the `latex-environment`, both spans and divs map onto functions. Currently, the `span` approach does not support arguments to `label` or `spread`. Please use divs if you need those. If you think that spans should support those arguments, please open an issue on GitHub.

These look like this:

text

Why do we have this? While we have `labels` as Typst labels, we can do links this way.

The link text, again to the highlighted text.

These can also be defined within the document in `typst` blocks, if desirable. They must be defined before they're used For example:

wow I'm angry

This is particularly beneficial if you want to repeatedly redefine a function.