

tikztosvg(1)

The `tikztosvg(1)` command renders TikZ diagrams to SVG, using XeTeX and pdf2svg.

Usage

```
$ tikztosvg [OPTION]... INPUT_PATH
```

If `INPUT_PATH` is set to `-` the input will be read from stdin.

Options

-o, --output=OUTPUT_PATH

Write output to file `OUTPUT_PATH`. If set to `-` the output will be written to stdout. Defaults to the base name of the input file suffixed with the `.svg` extension. The file is resolved relative to the working directory.

-p, --package=+PACKAGE

Include `\usepackage{PACKAGE}` when rendering the diagram. The `tikz`, `tikz-cd`, `pgfplots`, `amsmath` and `amssymb` packages are always included by default.

-l, --library=+LIBRARY Include `\usetikzlibrary{LIBRARY}` when rendering the diagram.

-q, --quiet

Silence application log messages and script warnings.

-h, --help

Print a help message.

-v, --version

Print version information.

Example

Let's say you want to convert the file `example.tikz` to SVG:

```
\begin{tikzcd}
    G \arrow[r, "\varphi"] \arrow[d, "\psi"', two heads] & H \\
    \mathlarger{\sfrac{G}{\ker \varphi}} \arrow[ru, dotted] & 
\end{tikzcd}
```

You could achieve this by running:

```
# xfrac and relsize are only there so that we can
# call \sfrac and \mathlarger
$ tikztosvg -p xfrac -p relsize example.tikz
```

The results will be stored in the file `example.svg`.

Installation

The `tikztosvg(1)` command and its man page can be installed in Unix systems by running

```
$ curl -s https://git.sr.ht/~pablo-pie/tikztosvg/blob/master/install.sh | sudo sh
```

or it can be installed via Git with

```
$ git clone https://git.sr.ht/~pablo-pie/tikztosvg
$ cd tikztosvg
$ sudo make install
```

The executable is installed in `/usr/bin/` and the man-page is installed in `/usr/share/man/man1/`.

Resources

Git source repository on sourcehut: <https://git.sr.ht/~pablo-pie/tikztosvg>

Bug tracker: <https://todo.sr.ht/~pablo-pie/tikztosvg>

CTAN package: <https://www.ctan.org/pkg/tikztosvg>

Authors

`tikztosvg` was written by Pablo.

`pdf2svg` was written by David Barton and Matthew Flaschen.

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