

**NAME**

`tikztosvg` – Render TikZ diagrams to SVG.

**SYNOPSIS**

`tikztosvg` [*OPTION*]... *INPUT\_PATH*

**DESCRIPTION**

The `tikztosvg(1)` command renders TikZ diagrams to SVG.

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.

**--lualatex**

Use LuaTeX as the TeX engine. LuaTeX is already the default, so this option doesn't really do much.

**--xelatex**

Use XeTeX as the TeX engine.

**--pdflatex**

Use pdfTeX as the TeX engine.

**-h, --help**

Print a help message.

**-v, --version**

Prints version information.

**ENVIRONMENT**

`tikztosvg` requires XeTeX and pdf2svg to be installed. Make sure any additional LaTeX packages are installed before using them in a diagram.

**EXIT STATUS**

**0**

Success.

**1**

Failure (syntax or usage error; configuration error).

**[n]**

Failure (document processing failure).

**AUTHORS**

**tikztosvg** was written by Pablo [pablo-escobar@riseup.net](mailto:pablo-escobar@riseup.net).

**pdf2svg** was written by David Barton [davebarton@cityinthesky.co.uk](mailto:davebarton@cityinthesky.co.uk) and Matthew Flaschen [matthew.flaschen@gatech.edu](mailto:matthew.flaschen@gatech.edu).

**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>

TeXLive

<https://tug.org/texlive/>

LuaTeX

<http://luatex.org/>

XeTeX

<http://xetex.sourceforge.net/>

**pdfTeX** <https://www.tug.org/applications/pdftex/>

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