

LaTeX support for Cantarell Version 2.4

Mohamed El Morabity
melmorabity@fedoraproject.org

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1 Introduction

Cantarell is a contemporary Humanist sans serif designed initially by Dave Crossland and maintained by Jakub Steiner (see figure 1). This font, delivered under the OFL version 1.1, is available on the GNOME download server [1].

This package provides support for this font in LaTeX. It includes Type 1 versions of the fonts, converted from its sources using FontForge, for full support with Dvips.

Cantarell Regular
Cantarell Bold

Figure 1: Available styles for Cantarell

2 Installation

These directions assume that your T_EX distribution is TDS-compliant.

Once the `cantarell.zip` archive extracted:

1. Copy `doc/`, `fonts/`, `source/`, and `tex/` directories to your `texmf/` directory (either your local or global `texmf/` directory).
2. Run `mktexlsr` to refresh the file name database and make T_EX aware of the new files.
3. Run `updmap --enable Map=cantarell.map` to make Dvips, dvipdf and pdfT_EX aware of the new fonts.

Note that this package requires the `keyval` [2] and `slantsc` [3] (to handle italic/slanted small caps) ones to work.

3 Usage

3.1 Calling Cantarell

You can use the Cantarell font in a T_EX document by adding the command

```
\usepackage{cantarell}
```

to the preamble. The package supplies the `\fcafamly` command to switch the current font to Cantarell.

3.2 Options

3.2.1 Cantarell as default (sans-serif) font

You can set T_EX to use Cantarell as standard font throughout the whole document by passing the `default` option to the package:

```
\usepackage[default]{cantarell}
```

To set Cantarell as default sans-serif only:

```
\usepackage[defaultsans]{cantarell}
```

3.2.2 Font scaling

The font can be up- and downscale by any factor. This can be used to make Cantarell more friendly when used in company with other type faces, e.g., to adapt the x-height. The package option `scale=ratio` will scale the font according to *ratio* (1.0 by default), for example:

```
\usepackage[scale=0.95]{cantarell}
```

family	encoding	series	shape
fca	OT1, T1, T2A, T2B, T2C, X2,	m, b (bx)	n, sl (it), sc, scsl (scit)
	TS1		n, sl (it)

Table 1: Available font series and shapes for Cantarell

3.3 Encodings

The following encodings are supported:

Latin OT1, T1, TS1 (partial)

Cyrillic T2A, T2B, T2C, X2

To use one or another encoding, give the \LaTeX name to the `fontenc` package as usual, as in

```
\usepackage[T1]{fontenc}
\usepackage{cantarell}
```

3.4 Available weights and variants

Table 1 lists the available font series and shapes with their NFSS classification. Parenthesized combinations are provided via substitutions. Notice that the slanted shapes are faked ones, as well as the small capitals (reduced to 80%).

Samples of the font are available in the [cantarell-samples.pdf](#) file.

4 Known bugs and improvements

Please send bug reports and suggestions about the Cantarell \LaTeX support to [Mohamed El Morabity](#), neither to Dave Crossland nor the GNOME project. They only distribute the font files themselves.

5 License

This package is released under the \LaTeX project public license, either version 1.3c or above [4]. Anyway both the Type 1 and Fontforge source files are delivered under the Open Font License version 1.1 [5].

References

- [1] <http://download.gnome.org/sources/cantarell-fonts/0.0/>

- [2] <http://www.ctan.org/tex-archive/macros/latex/required/graphics/>
- [3] <http://www.ctan.org/tex-archive/macros/latex/contrib/slantsc/>
- [4] <http://www.latex-project.org/lppl/lppl-1-3c.html>
- [5] http://scripts.sil.org/OFL_web