

# ℒT<sub>E</sub>X support for Cantarell

## Version 1.0

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## 1 Introduction

Cantarell is a contemporary Humanist sans serif designed initially by Dave Crossland and maintained by Jakub Steiner also. 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 ℒT<sub>E</sub>X. It includes Type 1 versions of the fonts, converted from its sources using FontForge, for full support with Dvips.

## 2 Installation

These directions assume that your T<sub>E</sub>X 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  $\TeX$  aware of the new files.
3. Run `updmap --enable Map cantarell.map` to make `Dvips`, `dvipdf` and `pdf $\TeX$`  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  $\TeX$  document by adding the command

```
\usepackage{cantarell}
```

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

#### 3.1.1 Options

**Cantarell as default (sans-serif) font** You can set  $\TeX$  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}
```

**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}
```

### 3.2 Encodings

The following encodings are supported:

OT1, T1, TS1 (partial)

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

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

### 3.3 Available weights and variants

The following table lists the available font series and shapes with their NFSS classification. Parenthesized combinations are provided via substitutions.

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

Notice that the slanted shapes are faked ones, as well as the small capitals (reduced to 80%).

## 4 Known bugs and improvements

Please send bug reports and suggestions about the Cantarell  $\text{\LaTeX}$  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  $\text{\LaTeX}$  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](http://scripts.sil.org/OFL_web)