

# 怎样将中文 Markdown 文件转为 PDF

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很简单，在 Markdown 文件的开头加上下面两行就行了：

```
CJKmainfont: Noto Serif CJK SC
CJKsansfont: Noto Sans CJK SC
```

显而易见，上面两行无非就是指明了在生成 PDF 文件时要采用的中文字体。字体当然可以随便换。想知道系统里有哪些现成的中文字体可用，可以这样：

```
fc-list | rg cjk
```

默认情况下，`pandoc` 会采用 `pdflatex` 来生成 PDF 文件。不幸的是 `pdflatex` 天生不支持中文，所以我们将 `pdf-engine` 换成 `xelatex` 或者 `lualatex`。

```
pandoc example.md --pdf-engine=lualatex -o example.pdf
```

```
pandoc example.md --pdf-engine=lualatex -o example.pdf --template=eisvogel --listings
# eisvogel is a fancy template
# https://github.com/Wandmalfarbe/pandoc-latex-template
```

下面是在我的 Debian 系统里利用 LaTeX 排版所需软件的列表：

- `texlive` - TeX Live: A decent selection of the TeX Live packages
- `texlive-base` - TeX Live: Essential programs and files
- `texlive-bibtex-extra` - TeX Live: BibTeX additional styles
- `texlive-binaries` - Binaries for TeX Live
- `texlive-extra-utils` - TeX Live: TeX auxiliary programs
- `texlive-font-utils` - TeX Live: Graphics and font utilities
- `texlive-fonts-extra` - TeX Live: Additional fonts
- `texlive-fonts-extra-doc` - TeX Live: Documentation files for `texlive-fonts-extra`
- `texlive-fonts-extra-links` - TeX Live: Setup of fonts for TeX Live and search via `kpathsea`
- `texlive-fonts-recommended` - TeX Live: Recommended fonts
- `texlive-lang-chinese` - TeX Live: Chinese
- `texlive-lang-cjk` - TeX Live: Chinese/Japanese/Korean (base)
- `texlive-lang-english` - TeX Live: US and UK English
- `texlive-lang-greek` - TeX Live: Greek
- `texlive-lang-japanese` - TeX Live: Japanese
- `texlive-latex-base` - TeX Live: LaTeX fundamental packages
- `texlive-latex-base-doc` - TeX Live: Documentation files for `texlive-latex-base`
- `texlive-latex-extra` - TeX Live: LaTeX additional packages
- `texlive-latex-extra-doc` - TeX Live: Documentation files for `texlive-latex-extra`
- `texlive-latex-recommended` - TeX Live: LaTeX recommended packages
- `texlive-latex-recommended-doc` - TeX Live: Documentation files for `texlive-latex-recommended`
- `texlive-luatex` - TeX Live: LuaTeX packages
- `texlive-pictures` - TeX Live: Graphics, pictures, diagrams
- `texlive-pictures-doc` - TeX Live: Documentation files for `texlive-pictures`
- `texlive-plain-generic` - TeX Live: Plain (La)TeX packages
- `texlive-science` - TeX Live: Mathematics, natural sciences, computer science packages

生成上表所需的命令是：`aptitude search '~i texlive'`。