

# md-to-singlepage-pdf

Agent Skill for converting Markdown (.md) into a single long-page PDF. This skill bundles instructions, scripts, and assets to run `md-to-pdf` and trim bottom whitespace with PyMuPDF.

ドキュメント 日本語 english document

 node.js 18+  npm required  python 3.9+ PyMuPDF required  md-to-pdf required

## ✨ Features

- Skill package: instructions + scripts + assets in one folder
- Produces a single long-page PDF without page breaks
- Unifies page size, margins, and style via CSS
- Automatically trims redundant bottom whitespace after conversion
- Supports batch conversion for multiple files

## 📎 Agent Skills

- Website: <https://agentskills.io/home>
- This repository follows the Agent Skills format (SKILL.md + scripts/assets/resources).

## 📦 Requirements

- Node.js / npm (for `md-to-pdf`)
- Python 3 (for PyMuPDF)
- uv is optional but speeds up venv creation and installs

## ⬇️ Installation

### 1) Install `md-to-pdf` (if missing)

```
npm install -g md-to-pdf
```

If `md-to-pdf` is missing, `scripts/convert_md_to_pdf.sh` will prompt you.

### 2) PyMuPDF

`convert_md_to_pdf.sh` automatically creates `.venv` and installs PyMuPDF.

### 3) Install the Agent Skill

Copy this repository into the Skills folder for Codex or Claude Code.

```
git clone https://github.com/Tomato13/md-to-singlepage-pdf.git
cd md-to-singlepage-pdf
cp -pr md-to-singlepage-pdf ~/.codex/skills
```

## 🚀 Usage

Give an instruction like this to Codex or Claude Code:

Convert the Markdown file `document.md` into a single long-page PDF.

The output will be `document.pdf`.

## ⚙️ How it works

- `assets/pdf-style.css` sets a large page size
- `md-to-pdf` renders the PDF
- `scripts/crop_pdf.py` detects and trims bottom whitespace

## 🛠️ Customization

- Adjust page size and margins via `assets/pdf-style.css @page`
- Tune bottom padding with `margin_bottom` in `scripts/crop_pdf.py`

## ⚠️ Notes

- Very large images can leave unexpected whitespace
- `md-to-pdf` uses Chromium under the hood

## 📄 License

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