

markdown-html-pdf

A powerful Python package to convert Markdown files to PDF with syntax highlighting and emoji support.

Features

- ✨ Convert Markdown to PDF with beautiful formatting
- 🎨 Syntax highlighting for code blocks
- 😄 Full emoji support
- 🛠️ GitHub-flavored Markdown support
- 📱 Responsive design optimized for print
- 🚀 Fast conversion using Playwright
- 💻 Command-line interface
- 🐍 Python API

Installation

```
uv add markdown-html-pdf
```

After installation, you need to install Playwright browsers:

```
uv run playwright install
```

Or use the built-in auto-installer on first run.

Usage

Command Line

```
# Basic conversion  
uv run markdown-html-pdf input.md output.pdf
```

You can also use the shorter alias:

```
uv run md2pdf input.md output.pdf
```

Python API

```
import asyncio
from markdown_html_pdf import markdown_to_pdf

async def convert():
    await markdown_to_pdf(
        markdown_file_path="input.md",
        pdf_output_file_path="output.pdf"
    )

asyncio.run(convert())
```

Requirements

- Python 3.12+
- Playwright (automatically installed)

How it works

1. **Markdown to HTML:** Converts Markdown to HTML using `markdown-it-py` with GitHub-flavored Markdown support
2. **Syntax Highlighting:** Applies syntax highlighting to code blocks using Pygments
3. **HTML to PDF:** Uses Playwright to render HTML to PDF with optimized settings for text fidelity

Supported Markdown Features

- Headers (H1-H6)
- **Bold** and *italic* text
- Inline code and code blocks with syntax highlighting
- Links and images
- Tables
- Lists (ordered and unordered)
- Blockquotes
- Horizontal rules
- Emojis 🤖

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Contributing

Contributions are welcome! Please feel free to submit a Pull Request.