# 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 😎

## Table Example

| Feature | Status | Description |
|---------|--------|-------------|
| Markdown to PDF | ✅ | Convert Markdown files to PDF format |
| Syntax Highlighting | ✅ | Code blocks with syntax highlighting |
| Emoji Support | ✅ | Full emoji support (🤪 🎨 ✨) |
| GitHub Flavored Markdown | ✅ | Support for GFM features |
| Tables | ✅ | Render markdown tables |
| Code Blocks | ✅ | Syntax highlighted code blocks |
| Links | ✅ | Hyperlinks support |
| Images | ✅ | Image embedding |

## License

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# Contributing

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