

# pdf

A Rust CLI tool and library for converting Markdown files to PDF. Uses Typst as an embedded library with bundled fonts. No external dependencies required.

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## Features

- Headings (H1-H6)
  - Paragraphs with bold, italic, and inline code
  - Code blocks with syntax highlighting
  - Ordered and unordered lists (with nesting)
  - Task lists / checklists
  - Tables
  - Horizontal rules
  - Smart page breaks (keeps headings with content, avoids widows/orphans)
  - Internal and external links
  - Manual page breaks
  - Beautiful typography with embedded Libertinus Serif font
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## Manual Page Breaks

Insert a manual page break anywhere in your markdown:

```
---pagebreak---
```

This must be on its own line as a paragraph.

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## CLI Usage

```
# Convert markdown to PDF (output: input.pdf)
pdf input.md

# Specify output file
pdf input.md -o output.pdf
```

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## Library Usage

Add to your `Cargo.toml`:

```
[dependencies]
pdf = { path = "path/to/pdf" }
```

Basic usage:

```
use std::fs;

fn main() {
    let markdown = "# Hello\n\nThis is **bold** and *italic*.";
    let pdf_bytes = pdf::markdown_to_pdf(markdown).expect("failed to create PDF");
    fs::write("output.pdf", pdf_bytes).expect("failed to write file");
}
```

You can also access the intermediate Typst markup:

```
fn main() {
    let markdown = "# Title\n\nParagraph text.";
    let typst_markup = pdf::markdown_to_typst(markdown);
    println!("{}", typst_markup);
}
```

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## Building

```
cargo build --release
```