Implementations

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There are many different implementations of the markdown parser. The following is intended to assist in choosing the implementation that works best for you.

Note that this is a list of libraries which implement a markdown parser. There may be various editors, websites, command line scripts, and other tools which use any one of these implementations behind the scenes. This list does not include those tools.

List of ~~CommonMark~~ implementations can be found at commonmark wiki page.

Name	Language	Output Formats	Extras?	Description
~~markdown.pl~~	Perl	(X)HTML	No	The original implementation.
~~MultiMarkdown~~	Perl	HTML, PDF, OPML, OpenDocument	Yes	A superset of Markdown.
text-markdown	Perl	(X)HTML	Yes	The Perl Text::Markdown CPAN module.
markdown	Perl 6	(X)HTML	?	A Perl 6 implementation of Markdown.
~~PHP Markdown~~	PHP	(X)HTML	No	A PHP implementation.
~~PHP Markdown Extra~~	PHP	(X)HTML	Yes	A superset of Markdown in PHP.
~~Parsedown~~	PHP	(X)HTML	Yes	A fast and extensible Markdown parser
Parsedown Extra	PHP	(X)HTML	Yes	A fast and extensible Markdown Extra parser
markdown-oo-php	PHP	(X)HTML	Yes	An object-oriented PHP library.
PHP-Sundown	PHP	(X)HTML	Yes	PHP Bindings to Sundown.

Name	Language	Output Formats	Extras?	Description
cebe/markdown	PHP	(X)HTML	Yes	A fast and highly extensible PHP implementation.
Python-Markdown	Python 2 & 3	(X)HTML	Yes	A Python implementation with extensions.
Mistune	Python 2, 3, & pypy	(X)HTML	Yes	A Python port of Marked.
Python-Markdown2	Python	(X)HTML	Yes	A direct port of markdown.pl to Python.
Misaka	Python 2 & 3	(X)HTML	Yes	A Python binding for Sundown.
python-hoedown	Python	(X)HTML	Yes	A Python binding to Hoedown.
Hoep	Python	(X)HTML	Yes	A Python binding to Hoedown.
Python-Discount	Python	(X)HTML	Yes	A Python binding to Discount.
BlueCloth	Ruby	(X)HTML	Yes	A Ruby binding to Discount.
BlueFeather	Ruby	?	?	A pure Ruby implementation.
ffi-sundown	Ruby	(X)HTML	?	A Ruby FFI binding to Sundown.
kramdown	Ruby	(X)HTML, LaTeX, kramdown's superset of Markdown, PDF via Latex	Yes	A pure Ruby superset implementation. Also accepts input in HTML.
Maruku	Ruby	(X)HTML	Yes	A pure Ruby superset implementation.
RDiscount	Ruby	(X)HTML	Yes	A Ruby binding to Discount.
Redcarpet	Ruby	(X)HTML	Yes	A Ruby binding to Sundown.
Discount	C	(X)HTML	Yes	A pure C implementation with extras.
libpandoc	C	many (see Pandoc)	Yes	A C binding to Pandoc.
peg-markdown	C	(X)HTML	Yes	A C implementation using a PEG Grammar.

Name	Language	Output Formats	Extras?	Description
peg-multimarkdown & fork	C	(X)HTML	Yes	A C implementation of MultiMarkdown.
Sundown	C	(X)HTML	Yes	A pure C implementation with extensions.
Hoedown	C	(X)HTML	Yes	A fork of Sundown.
MMMarkdown	Objective-C	(X)HTML	Planned?	A pure Objective-C static library.
CocoaMarkdown	Objective-C	(X)HTML	No	A direct port of markdown.pl to Objective-C.
GHMarkdownParser	Objective-C	(X)HTML	Yes	An Objective-C binding to Discount.
MarkdownSharp	C#	(X)HTML	?	A C# implementation used by Stack Overflow.
MoonShine	C# (.NET)	(X)HTML	Yes	A .NET binding to Sundown.
Sundown.net	C# (.NET)	(X)HTML	Yes	A .NET binding to Sundown.
MarkdownDeep	C# and Javascript	HTML	Yes	Open-source implementation of Markdown for C# and Javascript
Sundown HS	Haskell	(X)HTML	Yes	A Haskell binding to Sundown.
Pandoc	Haskell	(X)HTML, Slidy, Slideous, S5, DZSlides, docx, ODT, OpenDocument, EPUB, DocBook, GNU TexInfo, Groff man pages, LaTeX, ConTeXt, LaTeX Beamer slides, PDF via LaTeX, Markdown, reStructuredText, AsciiDoc, MediaWiki markup, Emacs Org-Mode, Textile	Yes	A superset Haskell implementation. Also accepts input in reStructuredText, textile, HTML, DocBook, or LaTeX.
node-discount	Node.js	(X)HTML	Yes	Node.js bindings to Discount.
RoboSkirt	Node.js	(X)HTML	Yes	Node.js bindings to Sundown.
node-markdown	Node.js	(X)HTML	No	Node.js wrapper for Showdown.
node-multimarkdown	Node.js	(X)HTML	Yes	Node.js wrapper for Multimarkdown.

Name	Language	Output Formats	Extras?	Description
texts.js	Node.js/JavaScript	HTML5, XeLaTeX and Pandoc JSON	?	A Markdown subset only.
Showdown	JavaScript	(X)HTML	No	A pure JavaScript implementation.
markdown-js	JavaScript	(X)HTML	No	A pure JavaScript implementation.
marked	JavaScript	(X)HTML	Yes	A pure JavaScript implementation.
MarkdownJ	Java	(X)HTML	No	A pure Java implementation.
markdown4j	Java	(X)HTML	Yes	A MarkdownJ fork with extensions.
pegdown	Java	(X)HTML	Yes	A pure Java PEG Grammar.
MarkdownPapers	Java	AST	?	A JAVACC grammar definition that produces an abstract syntax tree (AST).
Txtmark	Java	(X)HTML	Yes	A pure Java implementation.
markdown.lua	Lua	(X)HTML	?	A pure Lua implementation.
Lunamark	Lua	HTML, dzslides, Docbook, ConTeXt, LaTeX, and Groff man	Yes	A PEG grammar in Lua.
lua-discount	Lua	(X)HTML	Yes	Lua bindings to Discount.
Knockoff	Scala	(X)HTML	No?	A pure Scala implementation.
Actuarius	Scala	(X)HTML	No?	A pure Scala implementation.
Laika	Scala	(X)HTML	No	A pure Scala implementation. Also supports reStructuredText
Lowdown	Chicken Scheme	SXML	No?	A pure Chicken Sceme implementation.
markdown.bash	Bash	(X)HTML	No	A UNIX bash script using mostly Sed.
markdown-clj	Clojure	(X)HTML	?	Compiles to both Clojure and ClojureScript.
md2html.awk	Awk	(X)HTML	?	An Awk implementation.

Name	Language	Output Formats	Extras?	Description
Blackfriday	Go	HTML & LaTeX	No	A pure Go implementation.
Goskirt	Go	(X)HTML	Yes	Go bindings to Sundown.
upskirt.go	Go	(X)HTML	Yes	Simplified Go bindings to Sundown.
OMD	OCaml	HTML, Markdown	Yes	A pure OCaml implementation.
remark	JavaScript	(X)HTML	Yes	A pure JavaScript implementation.

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