Prettier Opinionated formatter

START HERE

`npx prettier --write .`
Format everything

`npx prettier --check .`
Verify, change nothing

`prettier -l .`
List unformatted files

`prettier --write "src/**/*.ts"`
Format a glob

`prettier --single-quote <file>`
Try an option

`prettier --stdin-filepath <path>`
Format piped text

`.prettierrc`
Project options

`.prettierignore`
Skip files

Parse source to AST → `discard layout` → **Reprint** printWidth rules → `write / check` → **Output** stdout, file or exit code

CONCEPTS

Without --write or --check, Prettier prints the formatted code to stdout and touches nothing.

Prettier is opinionated: few options, and it reprints from the AST, so your original line breaks mostly do not survive.

Config lookup goes up the tree from each file; there is no global config. CLI flags override the file by default.

RUN

`prettier --write <path>`
Format files in place

`prettier --check <path>`
Report unformatted files, exit 1

`prettier --list-different <path>`
Print names of differing files

`prettier <file>`
Print formatted result to stdout

`prettier --ignore-unknown --write .`
Skip file types it cannot parse

`prettier --no-error-on-unmatched-pattern <glob>`
No error when nothing matches

`prettier --with-node-modules <path>`
Include node_modules

`prettier --log-level silent <path>`
Quieter or louder output
error, warn, log (default), debug or silent.

`prettier --debug-check <file>`
Test that formatting is safe
Cannot be combined with --write.

INPUT

`prettier --stdin-filepath <path>`
Pick parser and config from a name
Reads stdin as if it were the file at <path>; also applies its ignore rules.

`prettier --parser <name>`
Force a parser (babel, ts, json, md…)

`prettier --range-start <n> --range-end <n>`
Format only a character range

`prettier --insert-pragma <file>`
Add @format header comment

INPUT (cont.)

`prettier --require-pragma <path>`
Only format files with the pragma

COMMON OPTIONS

`--print-width <n>`
Line length to wrap at (80)

`--tab-width <n>`
Spaces per indent level (2)

`--use-tabs`
Indent with tabs

`--no-semi`
Omit semicolons

`--single-quote`
Single quotes in JS/TS

`--trailing-comma <all|es5|none>`
Trailing commas (default all)

`--prose-wrap <always|never|preserve>`
Wrap Markdown text

`--end-of-line <lf|crlf|cr|auto>`
Line ending style (lf)

`--arrow-parens <always|avoid>`
Parens around lone arrow param

`--quote-props <as-needed|consistent|preserve>`
Quote object keys

`--no-bracket-spacing`
No spaces in { a }

`--bracket-same-line`
Put > of multiline tag on last line

`--jsx-single-quote`
Single quotes in JSX

`--object-wrap <preserve|collapse>`
Keep or collapse object first line

`--single-attribute-per-line`
One HTML/JSX attribute per line

`--html-whitespace-sensitivity <css|strict|ignore>`
HTML whitespace handling

`--vue-indent-script-and-style`
Indent script and style in Vue

`--embedded-language-formatting <off|auto>`
Format code embedded in files

`--experimental-ternaries`
Use the newer ternary style

COMMON OPTIONS (cont.)

`--experimental-operator-position <start|end>`
Binary operator at line start or end

CONFIGURATION

`prettier --config <file> <path>`
Use a specific config file

`prettier --no-config <path>`
Ignore config files, use defaults

`prettier --find-config-path <file>`
Show which config applies

`prettier --config-precedence <mode>`
cli-override, file-override, prefer-file

`prettier --no-editorconfig <path>`
Do not read .editorconfig

`package.json "prettier" key`
Config inside package.json
Highest precedence among config locations.

`.prettierrc / .prettierrc.json`
JSON or YAML options file

`prettier.config.js / .mjs / .ts`
Config as code, export default

`.prettierrc.toml / .yaml`
Other config formats

`"overrides": [{ "files", "options" }]`
Per-glob options
Patterns resolve relative to the config file; add excludeFiles to carve out exceptions.

`.editorconfig`
indent_size, max_line_length are read
Config file values win over EditorConfig. charset and insert_final_newline are not mapped.

IGNORING

`.prettierignore`
Gitignore syntax, project root

`prettier --ignore-path <file>`
Use another ignore file
Repeating it replaces the defaults (.gitignore, .prettierignore); list them again to keep them.

`// prettier-ignore`
Skip next JS/TS node

IGNORING (cont.)

`<!-- prettier-ignore -->`
Skip next HTML or Markdown block

`/* prettier-ignore */`
Skip next CSS rule

`# prettier-ignore`
Skip next YAML node

`<!-- prettier-ignore-start -->`
Begin skipped Markdown range
Close with <!-- prettier-ignore-end -->. Needs a blank line before each comment and top-level placement.

node_modules and VCS folders are skipped by default, and .gitignore is honoured.

CACHE AND CI

`prettier --cache --write .`
Only reformat changed files

`prettier --cache-location <file>`
Where the cache lives
Default is node_modules/.cache/prettier/.prettier-cache.

`prettier --cache-strategy <metadata|content>`
How changes are detected (content)
Running without --cache deletes the cache. Plugin versions are not part of the key.

Exit codes: 0 all formatted, 1 some files unformatted, 2 Prettier error. Use --check in CI.

RECIPES

CI gate

```
# fails the job on any unformatted file
npx prettier --check .
```

Format only staged files

```
git diff --name-only --cached --diff-filter=d -z \
  | xargs -0 prettier --write --ignore-unknown
git add -u
```

Minimal .prettierrc

```
{
  "singleQuote": true,
  "printWidth": 100,
  "overrides": [{ "files": "*.md", "options": { "proseWrap": "always" } }]
}
```

Format a snippet from a pipe

```
cat messy.json | prettier --stdin-filepath x.json
echo '{"a":1}' | prettier --parser json
```