

5.3.3 / 2023-11-30

- Fixed issue [#1262](#) - dynamically require os for edge runtime compatibility.

5.3.2 / 2023-01-19

- Fixed issue [#1224](#) - incorrect parsing of selectors with double hyphen.
- Fixed issue [#1228](#) - incorrect appending of '%' inside rgba colors.
- Fixed issue [#1232](#) - support for @container keyword.
- Fixed issue [#1239](#) - edge case in handling @import statements.
- Fixed issue [#1242](#) - support for @layer keyword.

0.1.0 / 2011-02-27

- First version of clean-css library.
- Implemented all basic CSS transformations.

5.3.1 / 2022-07-13

- Fixed issue [#1218](#) - double hyphen in at-rule breaks parsing.
- Fixed issue [#1220](#) - adds optimization for nth-* rules.

5.3.0 / 2022-03-31

- Adds customizable value optimizers for variables.
- Fixed issue [#1159](#) - adds optimization for nth-child and nth-of-type.
- Fixed issue [#1181](#) - CSS level 4 color functions with spaces.
- Fixed issue [#1183](#) - fraction optimizer breaks image-set.
- Fixed issue [#1208](#) - handling generic family names.
- Fixed issue [#1210](#) - handling file:// protocol.

0.2.0 / 2011-03-02

- Added options parsing via optimist.
- Changed code inclusion (thus the version bump).

0.2.1 / 2011-03-19

- Added stripping space before !important keyword.
- Updated repository location and author information in [package.json](#).

5.2.4 / 2022-01-28

- Fixed issue [#1196](#) - correctly parse variables & comments mix.

5.2.3 / 2022-01-26

- Fixed issue [#1185](#) - keeping comments inside variables.
- Fixed issue [#1194](#) - unexpected end of JSON input when source map is empty.

0.2.2 / 2011-04-17

- Fixed problem with space before color in border property.

0.2.3 / 2011-04-18

- Fixed problem with optimizing IE filters.

5.2.2 / 2021-10-21

- Fixed an unsafe data URI regex, which, when clean-css is used as a service, could be used in a DOS attack.

5.2.1 / 2021-09-30

- Fixed issue [#1186](#) - bad error handling in batch mode with promises.

0.2.4 / 2011-05-25

- Fixed problem with expanding none to 0 in partial/full background declarations.
- Fixed including clean-css library from binary (global to local).

0.2.5 / 2011-11-27

- Fixed issue with cleaning up spaces inside `calc/-moz-calc` declarations (thanks to [@evan](#) for reporting it).
- Fixed converting `#f00` to `red` in borders and gradients.

5.2.0 / 2021-09-25

- Fixed issue [#1180](#) - properly handle empty variable values.

5.1.5 / 2021-08-05

- Fixed issue [#1178](#) - fixes lack of space removal in variable blocks.

10

0.2.6 / 2011-11-27

- Fixed expanding + signs in calc() when mixed up with adjacent + selector.

207

0.3.0 / 2011-11-29

- Clean-css requires node.js 0.4.0+ to run.
- Removed node.js's 0.2.x 'sys' package dependency (thanks to [@jmalonzo](#) for a patch).

5.1.4 / 2021-07-29

- Fixed issue [#1177](#) - fix to missing local imports when only remote ones allowed.

5.1.3 / 2021-06-25

- Fixed issue [#1160](#) - keep zero units when inside multiple functions.
- Fixed issue [#1161](#) - extra whitespace in URLs.
- Fixed issue [#1166](#) - incorrect component splitting when empty multiplex part.

12

0.3.1 / 2011-12-16

- Fixed cleaning up `0 0 0` expressions.

205

0.3.2 / 2012-01-17

- Fixed output method under node.js 0.6 which incorrectly tried to close `process.stdout`.

5.1.2 / 2021-03-19

- Fixed issue [#996](#) - space removed from pseudo classes.

5.1.1 / 2021-03-03

- Fixed issue [#1156](#) - invalid hsl/hsla validation in level 2 optimizations.

0.3.3 / 2012-05-27

- Fixed tests, [package.json](#) for development, and regex for removing empty declarations (thanks to [@vvo](#)).

0.4.0 / 2012-06-04

- Speed improvements up to 4x thanks to the rewrite of comments and CSS' content processing.
- Stripping empty CSS tags is now optional (see [bin/cleancss](#) for details).
- Improved debugging mode (see [test/bench.js](#))
- Added `make bench` for a one-pass benchmark.

5.1.0 / 2021-02-18

- Fixes stripping '%' from inside color functions.
- Improves tokenization speed by ~30%.
- Fixed issue [#1143](#) - some missing level 1 value optimizations.

5.0.1 / 2021-01-29

- Fixed issue [#1139](#) - overriding & merging properties without canOverride set.

0.4.1 / 2012-06-10

- Fixed stateless mode where calling CleanCSS#process directly was giving errors (reported by [@facelessuser](#)).

0.4.2 / 2012-06-28

- Updated binary -v option (version).
- Updated binary to output help when no options given (but not in piped mode).
- Added binary tests.

5.0.0 / 2021-01-29

- Adds a way process input files without bundling it into one big output file.
- Adds level 1 and level 2 optimization plugins.
- Disables URL rebasing by default.
- Disables URL unquoting by default.
- Drops support for Node.js 6 & 8 to support last 3 Node.js releases: 10, 12, and 14.
- Fixed issue [#889](#) - whitelisted level 1 optimizations.
- Fixed issue [#975](#) - incorrect block name optimization.
- Fixed issue [#1009](#) - whitespace around comments.
- Fixed issue [#1021](#) - allow one- and two-letter property names.
- Fixed issue [#1022](#) - merging into shorthands new property positioning.
- Fixed issue [#1032](#) - wrong order of merged shorthands with inherit.
- Fixed issue [#1043](#) - calc fallback removed within other function.
- Fixed issue [#1045](#) - non-standard protocol-less URL first slash removed.
- Fixed issue [#1050](#) - correctly keeps default animation duration if delay is also set.
- Fixed issue [#1053](#) - treats calc() as first class width value.
- Fixed issue [#1055](#) - supports 4- and 8-character hex with alpha color notation.

- Fixed issue [#1057](#) - level 2 optimizations and quoted font family name.
- Fixed issue [#1059](#) - animation time units as CSS expressions.
- Fixed issue [#1060](#) - variable removed when shorthand's only value.
- Fixed issue [#1062](#) - wrong optimization of CSS pseudo-classes with selector list.
- Fixed issue [#1073](#) - adds support for non-standard rpx units.
- Fixed issue [#1075](#) - media merging and variables.
- Fixed issue [#1087](#) - allow units with any case.
- Fixed issue [#1088](#) - building source maps with source preserved via comments.
- Fixed issue [#1090](#) - edge case in merging for border and border - image.
- Fixed issue [#1103](#) - don't allow merging longhand into unset shorthand.
- Fixed issue [#1115](#) - incorrect multiplex longhand into shorthand merging.
- Fixed issue [#1117](#) - don't change zero values inside min, max, and clamp functions.
- Fixed issue [#1122](#) - don't wrap data URI in single quotes.
- Fixed issue [#1125](#) - quotes stripped from withing @supports clause.
- Fixed issue [#1128](#) - take variables into account when reordering properties.
- Fixed issue [#1132](#) - vendor-prefixed classes inside :not().
- Reworks all level 1 optimizations to conform to plugin style.

- Made path to vows local.
- Explicit node.js 0.6 requirement.

0.5.0 / 2012-08-02

0.6.0 / 2012-08-05

- Full Windows support with tests (./test.bat).

4.2.3 / 2020-01-28

- Fixed issue [#1106](#) - regression in handling RGBA/HSLA colors.

4.2.2 / 2020-01-25

- Fixed error when property block has no value.
- Fixed issue [#1077](#) - local fonts with color in name.
- Fixed issue [#1082](#) - correctly convert colors if alpha >= 1.
- Fixed issue [#1085](#) - prevent unquoting of grid elements.

20

0.7.0 / 2012-10-14

- Added stripping special comments to CLI (`--s0` and `--s1` options).
- Added stripping special comments to programmatic interface (`keepSpecialComments` option).

197

0.8.0 / 2012-10-21

- Added removing URLs quotation if possible.
- Rewrote breaks processing.
- Added keepBreaks/-b option to keep line breaks in the minimized file.
- Reformatted [lib/clean.js](#) so it's easier to follow the rules.
- Minimized test data is now minimized with line breaks so it's easier to compare the changes line by line.

4.2.1 / 2018-08-07

- Fixes giving breakWith option via a string.

4.2.0 / 2018-08-02

- Adds process method for compatibility with optimize-css-assets-webpack-plugin.
- Fixed issue [#861](#) - new transform property optimizer.
- Fixed issue [#895](#) - ignoring specific styles.
- Fixed issue [#947](#) - selector based filtering.
- Fixed issue [#964](#) - adds configurable line breaks.
- Fixed issue [#986](#) - level 2 optimizations and CSS 4 colors.
- Fixed issue [#1000](#) - carriage return handling in tokenizer.
- Fixed issue [#1038](#) - font-variation-settings quoting.
- Fixes ReDOS vulnerabilities in validator code.

22

0.8.1 / 2012-10-28

- Added better zeros processing for rect(...) syntax (clip property).

195

0.8.2 / 2012-10-31

- Fixed shortening hex colors and their relation to hashes in URLs.
- Cleanup by [@XhmikosR](#).

4.1.11 / 2018-03-06

- Backports fixes to ReDOS vulnerabilities in validator code.

4.1.10 / 2018-03-05

- Fixed issue [#988](#) - edge case in dropping default animation-duration.
- Fixed issue [#989](#) - edge case in removing unused at rules.
- Fixed issue [#1001](#) - corrupted tokenizer state.
- Fixed issue [#1006](#) - edge case in handling invalid source maps.
- Fixed issue [#1008](#) - edge case in breaking up font shorthand.

24

- Fixed HSL/HSLA colors processing.

0.8.3 / 2012-11-29

193

0.9.0 / 2012-12-15

- Added stripping quotation from font names (if possible).
- Added stripping quotation from `@keyframes` declaration, `animation` and `animation-name` property.
- Added stripping quotations from attributes' value (e.g. `[data-target='x']`).
- Added better `hex->name` and `name->hex` color shortening.
- Added `font: normal` and `font: bold` shortening the same way as `font-weight` is.
- Refactored shorthand selectors and added `border-radius`, `border-style` and `border-color` shortening.
- Added `margin`, `padding` and `border-width` shortening.
- Added removing line break after commas.
- Fixed removing whitespace inside media query definition.
- Added removing line breaks after a comma, so all declarations are one-liners now.
- Speed optimizations (~10% despite many new features).
- Added [JSHint](#) validation rules via `make check`.

4.1.9 / 2017-09-19

- Fixed issue [#971](#) - edge case in removing unused at rules.

4.1.8 / 2017-09-02

- Fixed issue [#959](#) - regression in shortening long hex values.
- Fixed issue [#960](#) - better explanation of efficient ency stat.
- Fixed issue [#965](#) - edge case in parsing comment endings.
- Fixed issue [#966](#) - remote @imports referenced from local ones.

0.9.1 / 2012-12-19

- Fixed issue [#37](#) - converting white and other colors in class names (reported by [@malgorithms](#)).

0.10.0 / 2013-02-09

- Switched from [optimist](#) to [commander](#) for CLI processing.
- Changed long options from `--removeempty` to `--remove-empty` and from `--keeplinebreaks` to `--keep-line-breaks`.
- Fixed performance issue with replacing multiple `@charset` declarations and issue with line break after `@charset` when using `keepLineBreaks` option. By [@rrjaime](#).
- Removed Makefile in favor to `npm run` commands (e.g. `make check -> npm run check`).
- Fixed issue [#47](#) - commandline issues on Windows.
- Fixed issue [#49](#) - remove empty selectors from media query.
- Fixed issue [#52](#) - strip fraction zeros if not needed.
- Fixed issue [#58](#) - remove colon where possible.
- Fixed issue [#59](#) - content property handling.

4.1.7 / 2017-07-14

- Fixed issue [#957](#) - 0% minification of `width` property.

4.1.6 / 2017-07-08

- Fixed issue [#887](#) - edge case in serializing comments.
- Fixed issue [#953](#) - beautify breaks attribute selectors.

28

0.10.1 / 2013-02-14

- Fixed issue [#66](#) - line breaks without extra spaces should be handled correctly.

189

0.10.2 / 2013-03-19

- Fixed issue [#79](#) - node.js 0.10.x compatibility.

4.1.5 / 2017-06-29

- Fixed issue [#945](#) - hex RGBA colors in IE filters.
- Fixed issue [#952](#) - parsing @page according to CSS3 spec.

4.1.4 / 2017-06-14

- Fixed issue [#950](#) - bug in removing unused @font-face rules.

1.0.0 / 2013-03-30

- Fixed issue [#2](#) - resolving @import rules.
- Fixed issue [#44](#) - examples in --help.
- Fixed issue [#46](#) - preserving special characters in URLs and attributes.
- Fixed issue [#80](#) - quotation in multi line strings.
- Fixed issue [#83](#) - HSL to hex color conversions.
- Fixed issue [#86](#) - broken @charset replacing.
- Fixed issue [#88](#) - removes space in !important.
- Fixed issue [#92](#) - uppercase hex to short versions.

1.0.1 / 2013-04-08

- Do not pick up bench and test while building npm package. By [@sindresorhus](#).

4.1.3 / 2017-05-18

- Fixed issue [#946](#) - tokenizing -ms-grid-columns repeat syntax.

4.1.2 / 2017-05-10

- Fixed issue [#939](#) - semicolon after @apply at rule.
- Fixed issue [#940](#) - handling more font keywords.
- Fixed issue [#941](#) - breaking up vendor prefixed animation.

32

1.0.2 / 2013-04-29

- Fixed issue [#97](#) - - - - remove-empty & FontAwesome.

185

1.0.3 / 2013-05-20

- Support alternative `@import` syntax with file name not wrapped inside `url()` statement. By [@bluej100](#).

4.1.1 / 2017-05-08

- Fixed issue [#938](#) - removing unused at-rules with `!` important.

4.1.0 / 2017-05-07

- Improves longhand-into-shorthand merging mechanism in complex cases as with border - * shorthands.
- Fixed issue [#254](#) - adds font property optimizer.
- Fixed issue [#525](#) - restores inherit-based merging.
- Fixed issue [#755](#) - adds custom handling of remote requests.
- Fixed issue [#860](#) - adds animation property optimizer.
- Fixed issue [#862](#) - allows removing unused at rules.
- Fixed issue [#886](#) - better multi pseudo class / element merging.
- Fixed issue [#890](#) - adds toggle to disable empty tokens removal.
- Fixed issue [#893](#) - inline: false as alias to inline: none'.
- Fixed issue [#905](#) - allows disabling selector sorting.
- Fixed issue [#906](#) - improves usability of web UI settings.
- Fixed issue [#908](#) - improved minify method signature.
- Fixed issue [#916](#) - maximum number of merged selectors.
- Fixed issue [#920](#) - allows skipping certain properties in level 2 optimizations.
- Fixed issue [#934](#) - smarter longhand into shorthand merging.

34

1.0.4 / 2013-05-23

- Rewrite relative URLs in imported stylesheets. By [@bluej100](#).

183

1.0.5 / 2013-05-26

- Fixed issue [#107](#) - data URIs in imported stylesheets.

4.0.13 / 2017-05-10

- Backports [#939](#) - semicolon after @apply at rule.

- Fixed issue [#930](#) - regression in tidying selectors.
- 4.0.12 / 2017-04-12**

- Fixed issue [#110](#) - data URIs in URLs.
- 1.0.6 / 2013-06-04**

1.0.7 / 2013-06-05

- Support for `@import` URLs starting with `///`. By [@petetak](#).

4.0.11 / 2017-04-04

- Fixed issue [#924](#) - hsl zero percent eager optimization.

4.0.10 / 2017-03-22

- Fixed issue [#917](#) - prevents grid area unquoting.
- Backported [#916](#) - maximum number of merged selectors.
- Refixed issue [#556](#) - IE backslash hacks.

38

1.0.8 / 2013-06-10

- Fixed issue [#112](#) - reducing box-shadow zeros.

179

1.0.9 / 2013-06-11

- Fixed issue [#113](#) - @import t in comments.

4.0.9 / 2017-03-15

- Fixed issue [#902](#) - case insensitive attribute matchers.
- Fixed issue [#903](#) - web UI and source maps.
- Fixed issue [#907](#) - space after closing brace in @support s.
- Fixed issue [#910](#) - too aggressive precision optimizations.

4.0.8 / 2017-02-22

- Fixes edge case in remote stylesheet fetching.
- Fixed issue [#899](#) - regression in optimizing pseudo class arguments.

40

1.0.10 / 2013-06-13

- Fixed issue [#114](#) - comments in imported stylesheets.

177

1.0.11 / 2013-07-08

- Fixed issue [#117](#) - line break escaping in comments.

4.0.7 / 2017-02-14

- Fixed issue [#891](#) - merging vendor-prefixed pseudo-classes.

- Fixed issue [#885](#) - unquoting font-feature-settings.

4.0.6 / 2017-02-10

- Fixed issue [#121](#) - ability to skip @import processing.

1.0.12 / 2013-07-19

1.1.0 / 2013-09-06

- Renamed lib's debug option to benchmark when doing per-minification benchmarking.
- Added simplified comments processing & imports.
- Fixed issue [#43](#) - - -debug switch for minification stats.
- Fixed issue [#65](#) - full color name / hex shortening.
- Fixed issue [#84](#) - support for @import with media queries.
- Fixed issue [#124](#) - raise error on broken imports.
- Fixed issue [#126](#) - proper CSS expressions handling.
- Fixed issue [#129](#) - rebasing imported URLs.
- Fixed issue [#130](#) - better code modularity.
- Fixed issue [#135](#) - require node.js 0.8+.

4.0.5 / 2017-02-07

- Fixed issue [#884](#) - handling absolute paths on Windows.
- Fixed issue [#881](#) - incorrect require arity.
- Fixed issue [#880](#) - incorrect token type identification.

4.0.4 / 2017-02-04

- Fixed issue [#879](#) - incorrect handling of spaces in paths.
- Fixed issue [#878](#) - invalid double backslash tokenization.

44

1.1.1 / 2013-09-07

- Fixed issue [#144](#) - skip URLs rebasing by default.

173

1.1.2 / 2013-09-29

- Fixed issue [#149](#) - shorthand font property.

4.0.3 / 2017-01-30

- Fixed issue [#875](#) - invalid traversing in semantic merging.

- Fixed issue [#874](#) - regression in at-rule tokenization.

4.0.2 / 2017-01-26

- Fixed issue [#150](#) - minifying background: none.

1.1.3 / 2013-10-04

1.1.4 / 2013-10-23

- Fixed issue [#152](#) - adds an option to disable rebasing.

4.0.1 / 2017-01-25

- Fixed issue [#866](#) - edge case in `inline` option.
- Fixed issue [#867](#) - skip optimizing variable values.
- Fixed issue [#868](#) - accept absolute paths in input hash.
- Fixed issue [#872](#) - edge case in CSS tokenization.

4.0.0 / 2017-01-23

- Adds more detailed error & warning messages on top of the new tokenizer.
- Disables restructuring optimizations by default until optimized in #533.
- Fixes a bug ignoring incorrect properties in complex restructuring.
- Requires Node.js 4.0+ to run.
- Removes benchmark API option as total time is always reported under stats property.
- Removes debug API switch as stats are always gathered and available under stats property.
- Replaces the old tokenizer with a new one which doesn't use any escaping.
- Replaces the old @import inlining with one on top of the new tokenizer.
- Re-enables background-(clip|origin|size) merging with background shorthand.
- Simplifies URL rebasing with a single rebaseTo option in API or inferred from --output in CLI.
- Splits inliner option into inlinerRequest and inlinerTimeout.
- Fixed issue [#209](#) - adds output formatting via format flag.
- Fixed issue [#290](#) - removes aggressive merging.
- Fixed issue [#432](#) - adds URLs normalization.

48

1.1.5 / 2013-10-24

- Fixed issue [#153](#) - keepSpecialComments 0/1 as a string.

169

1.1.6 / 2013-10-26

- Fixed issue [#155](#) - broken irregular CSS content.

- Fixed issue [#460](#) - unescaped semicolon in selector.
- Fixed issue [#657](#) - adds property name validation.
- Fixed issue [#685](#) - adds lowercasing hex colors optimization.
- Fixed issue [#686](#) - adds rounding precision for all units.
- Fixed issue [#703](#) - changes default IE compatibility to 10+.
- Fixed issue [#731](#) - adds granular control over level 2 optimizations.
- Fixed issue [#739](#) - error when a closing brace is missing.
- Fixed issue [#750](#) - allows width overriding.
- Fixed issue [#756](#) - adds disabling font-weight optimizations.
- Fixed issue [#758](#) - ignores rules with empty selector.
- Fixed issue [#767](#) - disables remote @import inlining by default.
- Fixed issue [#773](#) - adds reordering based on selector specificity.
- Fixed issue [#785](#) - adds @font-face de-duplication.
- Fixed issue [#791](#) - resolves imports in-memory if possible.
- Fixed issue [#796](#) - semantic merging for @media blocks.
- Fixed issue [#801](#) - smarter @import inlining.
- Fixed issue [#806](#) - skip optimizing variable properties.
- Fixed issue [#817](#) - makes off disable rounding.
- Fixed issue [#818](#) - disables px rounding by default.
- Fixed issue [#828](#) - -chrome- hack support.
- Fixed issue [#829](#) - adds more strict selector merging rules.
- Fixed issue [#834](#) - adds extra line break in nested blocks.
- Fixed issue [#836](#) - enables level 0 optimizations.
- Fixed issue [#839](#) - allows URIs in import inlining rules.
- Fixed issue [#840](#) - allows input source map as map object.

- Fixed issue [#843](#) - regression in selector handling.
- Fixed issue [#845](#) - web compatibility of 4.0 branch.
- Fixed issue [#847](#) - regression in handling invalid selectors.
- Fixed issue [#849](#) - disables inlining protocol-less resources.
- Fixed issue [#856](#) - allows `minify` to return a promise.
- Fixed issue [#857](#) - normalizes CleanCSS API interface.
- Fixed issue [#863](#) - adds transform callback for custom optimizations.

1.1.7 / 2013-10-28

- Fixed issue [#156](#) - `@imports` inside comments.

- Fixed issue [#139](#) - consistent error & warning handling.
- Fixed issue [#145](#) - debug mode in library too.
- Fixed issue [#157](#) - gets rid of removeEmpty option.
- Fixed issue [#159](#) - escaped quotes inside content.
- Fixed issue [#162](#) - strip quotes from Base64 encoded URLs.
- Fixed issue [#166](#) - debug formatting in CLI
- Fixed issue [#167](#) - background:transparent minification.

3.4.26 / 2017-05-10

- Backports [#939](#) - semicolon after @apply at-rule.

3.4.25 / 2017-02-22

- Fixed issue [#897](#) - tokenization with escaped markers.

52

2.0.0 / 2013-11-04

- Adds simplified and more advanced text escaping / restoring via `EscapeStore` class.
- Adds simplified and much faster empty elements removal.
- Adds missing `@import` processing to our benchmark (run via `npm run bench`).
- Adds CSS tokenizer which will make it possible to optimize content by reordering and/or merging selectors.
- Adds basic optimizer removing duplicate selectors from a list.
- Adds merging duplicate properties within a single selector's body.
- Adds merging adjacent selectors within a scope (single and multiple ones).
- Changes behavior of `--keep-line-breaks/keepBreaks` option to keep breaks after trailing braces only.
- Makes all multiple selectors ordered alphabetically (aids merging).
- Adds property overriding so more coarse properties override more granular ones.
- Adds reducing non-adjacent selectors.
- Adds `--skip-advanced/noAdvanced` switch to disable advanced optimizations.
- Adds reducing non-adjacent selectors when overridden by more complex selectors.
- Fixed issue [#138](#) - makes `CleanCSS` interface OO.

165

2.0.1 / 2013-11-14

- Fixed issue [#176](#) - hangs on undefined keyword.

3.4.24 / 2017-01-20

- Fixed issue [#859](#) - avoid -webkit-border-radius optimizations.

3.4.23 / 2016-12-17

- Fixed issue [#844](#) - regression in property values extraction.

54

2.0.2 / 2013-11-18

- Fixed issue [#177](#) - process broken content correctly.

163

2.0.3 / 2013-12-18

- Fixed issue [#191](#) - leading numbers in font/animation names.
- Fixed issue [#192](#) - many @imports inside a comment.

3.4.22 / 2016-12-12

- Fixed issue [#841](#) - disabled importing and files passed as array.
- Ignores @import at-rules if appearing after any non-@import rules.

3.4.21 / 2016-11-16

- Fixed issue [#821](#) - reducing non-adjacent rules.
- Fixed issue [#830](#) - reordering border-* properties.
- Fixed issue [#833](#) - moving @media queries.

2.0.4 / 2013-12-19

- Fixed issue [#193](#) - HSL color space normalization.

2.0.5 / 2014-01-03

- Fixed issue [#199](#) - keep line breaks with no advanced optimizations.
- Fixed issue [#203](#) - Buffer as a first argument to minify method.

3.4.20 / 2016-09-26

- Fixed issue [#814](#) - :selection rule merging.

- Fixed issue [#795](#) - ! important and override compacting.

3.4.19 / 2016-07-25

- Fixed issue [#198](#) - process comments and @imports correctly.
- Fixed issue [#205](#) - freeze on broken @import declaration.

2.0.6 / 2014-01-04

2.0.7 / 2014-01-16

- Fixed issue [#208](#) - don't swallow @page and @viewport.

3.4.18 / 2016-06-15

- Fixed issue [#787](#) - regression in processing data URIs.

- Fixed issue [#783](#) - regression in processing data URIs.

3.4.17 / 2016-06-04

- Fixed issue [#232](#) - edge case in non-adjacent selectors merging.

2.0.8 / 2014-02-07

- Fixed issue [#230](#) - better handling of zero values.
- Fixed issue [#235](#) - IE7 compatibility mode.
- Fixed issue [#236](#) - incorrect rebasing with nested imports.

3.4.16 / 2016-06-02

- Fixed issue [#781](#) - regression in override compacting.
- Fixed issue [#782](#) - regression in processing data URIs.

3.4.15 / 2016-06-01

- Fixed issue [#776](#) - edge case in quoted data URIs.
- Fixed issue [#779](#) - merging background-(position|size).
- Fixed issue [#780](#) - space after inlined variables.

62

2.1.0 / 2014-02-13

- Adds an optional callback to minify method.
- Deprecates `--selectors-merge-mode` / `selectorsMergeMode` in favor to `--compatibility` / `compatibility`.
- Fixes debug mode stats for stylesheets using `@import` statements.

- Skips empty removal if advanced processing is enabled.
- Fixed issue [#85](#) - resolving protocol @imports.
- Fixed issue [#160](#) - re-runs optimizer until a clean pass.
- Fixed issue [#161](#) - improves tokenizer performance.
- Fixed issue [#163](#) - round pixels to 2nd decimal place.
- Fixed issue [#165](#) - extra space after trailing parenthesis.
- Fixed issue [#186](#) - strip unit from `0 rem`.
- Fixed issue [#207](#) - bug in parsing protocol @imports.
- Fixed issue [#213](#) - faster `rgb` to `hex` transforms.
- Fixed issue [#215](#) - leading zeros in numerical values.
- Fixed issue [#217](#) - whitespace inside attribute selectors and URLs.

- Fixed issue [#218](#) - `@import` statements cleanup.
- Fixed issue [#220](#) - selector between comments.
- Fixed issue [#223](#) - two-pass adjacent selectors merging.
- Fixed issue [#226](#) - don't minify `border:none` to `border:0`.

- Fixed issue [#229](#) - improved processing of fraction numbers.

155

2.1.1 / 2014-02-18

- Adds faster selectors processing in advanced optimizer.
- Fixed issue [#241](#) - incorrect handling of `:not()` selectors.

3.4.14 / 2016-05-31

- Fixed issue [#751](#) - stringifying CSS variables.
- Fixed issue [#763](#) - data URI SVG and quoting.
- Fixed issue [#765](#) - two values of border-radius.
- Fixed issue [#768](#) - invalid border-radius property.

- Fixed issue [#734](#) - Node.js 6.x support.

3.4.13 / 2016-05-23

- Fixed issue [#245](#) - incorrect handling of backslash IE hack.

2.1.2 / 2014-02-25

2.1.3 / 2014-02-26

- Fixed issue [#248](#) - incorrect merging for vendor selectors.

3.4.12 / 2016-04-09

- Fixed issue [#734](#) - --root option edge case.
- Fixed issue [#758](#) - treats empty rule as unmergeable.

3.4.11 / 2016-04-01

- Fixed issue [#738](#) - edge case in comment processing.
- Fixed issue [#741](#) - HTTP proxy with HTTPS inlining.
- Fixed issue [#743](#) - background shorthand and source maps.
- Fixed issue [#745](#) - matching mixed case ! important.

66

2.1.4 / 2014-03-01

- Fixed issue [#250](#) - correctly handle JSON data in quotations.

151

2.1.5 / 2014-03-07

- Fixed issue [#255](#) - incorrect processing of a trailing -0.

3.4.10 / 2016-02-29

- Fixed issue [#735](#) - whitespace removal with escaped chars.

3.4.9 / 2016-01-03

- Sped up merging by body advanced optimization.
- Fixed issue [#693](#) - restructuring edge case.
- Fixed issue [#711](#) - border fuzzy matching.
- Fixed issue [#714](#) - stringifying property level at rules.
- Fixed issue [#715](#) - stack too deep in comment scan.

69

2.1.6 / 2014-03-10

- Fixed issue [#258](#) - wrong @import handling in EmptyRemoval.

149

2.1.7 / 2014-03-24

- Fixed issue [#264](#) - `@import` statements inside comments.

3.4.8 / 2015-11-13

- Fixed issue [#676](#) - fuzzy matching unquoted data URIs.

3.4.7 / 2015-11-10

- Fixed issue [#692](#) - edge case in URL quoting.
- Fixed issue [#695](#) - shorthand overriding edge case.
- Fixed issue [#699](#) - IE9 transparent hack.
- Fixed issue [#701](#) - url quoting with hash arguments.

70

2.1.8 / 2014-03-28

- Fixed issue [#267](#) - incorrect non-adjacent selector merging.

147

- Fixed issue [#247](#) - removes deprecated `selectorsMergeMode` switch.
- Refixed issue [#250](#) - based on new quotation marks removal.
- Fixed issue [#257](#) - turns `rgba/hsla` to transparent if possible.
- Fixed issue [#265](#) - adds support for multiple input files.
- Fixed issue [#275](#) - handling transform properties.
- Fixed issue [#276](#) - corrects unicode handling.
- Fixed issue [#288](#) - adds smarter expression parsing.
- Fixed issue [#293](#) - handles escaped `@` symbols in class names and IDs.

3.4.6 / 2015-10-14

- Fixed issue [#679](#) - wrong rebasing of remote URLs.

3.4.5 / 2015-09-28

- Fixed issue [#681](#) - property inheritance & restructuring.
- Fixed issue [#675](#) - overriding with ! important.

72

2.2.0 / 2014-06-11

- Adds a better algorithm for quotation marks' removal.
- Adds a better non-adjacent optimizer compatible with the upcoming new property optimizer.
- Adds minifying remote files directly from CLI.
- Adds --rounding-precision to control rounding precision.
- Moves quotation matching into a QuoteScanner class.
- Adds npm run browserify for creating embeddable version of clean-css.
- Fixed list-style-* advanced processing.
- Fixed issue [#134](#) - merges properties into shorthand form.
- Fixed issue [#164](#) - removes default values if not needed.
- Fixed issue [#168](#) - adds better property merging algorithm.
- Fixed issue [#173](#) - merges same properties if grouped.
- Fixed issue [#184](#) - uses !important for optimization opportunities.
- Fixed issue [#190](#) - uses shorthand to override another shorthand.
- Fixed issue [#197](#) - adds borders merging by understandability.
- Fixed issue [#210](#) - adds temporary workaround for aggressive merging.
- Fixed issue [#246](#) - removes IE hacks when not in compatibility mode.

145

2.2.1 / 2014-06-14

- Fixes new property optimizer for 'none' values.
- Fixed issue [#294](#) - space after rgba/hs la in IE<=11.

3.4.4 / 2015-09-21

- Fixed issue [#626](#) - edge case in import rebasing.
- Fixed issue [#674](#) - adjacent merging order.

3.4.3 / 2015-09-15

- Fixed issue [#668](#) - node v4 path.join.
- Fixed issue [#669](#) - adjacent overriding with ! important.

74

2.2.2 / 2014-06-18

- Fixed issue [#297](#) - box - shadow zeros minimification.

143

2.2.3 / 2014-06-24

- Fixed issue [#302](#) - handling of outline-style: auto.

3.4.2 / 2015-09-14

- Fixed issue [#598](#) - restructuring border properties.
- Fixed issue [#654](#) - disables length optimizations.
- Fixed issue [#655](#) - shorthands override merging.
- Fixed issue [#660](#) - !important token overriding.
- Fixed issue [#662](#) - !important selector reducing.
- Fixed issue [#667](#) - rebasing remote URLs.

3.4.1 / 2015-08-27

- Fixed issue [#652](#) - order of restoring and removing tokens.

76

2.2.4 / 2014-06-27

- Fixed issue [#301](#) - proper border-radius processing.
- Fixed issue [#303](#) - correctly preserves viewport units.

141

2.2.5 / 2014-06-29

- Adds removing extra spaces around / in border-radius.
- Adds replacing same horizontal & vertical value in border-radius.
- Fixed issue [#305](#) - allows width keywords in border-width.

3.4.0 / 2015-08-27

- Adds an option for a fine-grained `@import` control.
- Adds unit compatibility switches to disable length optimizations.
- Adds inferring proxy settings from `HTTP_PROXY` environment variable.
- Adds support for Polymer / Web Components special selectors.
- Adds support for Polymer mixins.
- Adds testing source maps in batch mode.
- Unifies wrappers for simple & advanced optimizations.
- Fixed issue [#596](#) - support for !ie IE<8 hack.
- Fixed issue [#599](#) - support for inlined source maps.
- Fixed issue [#607](#) - adds better rule reordering.
- Fixed issue [#612](#) - adds HTTP proxy support.
- Fixed issue [#618](#) - adds safer function validation.
- Fixed issue [#625](#) - adds length unit optimizations.
- Fixed issue [#632](#) - adds disabling remote imports.
- Fixed issue [#635](#) - adds safer 0% optimizations.
- Fixed issue [#644](#) - adds time unit optimizations.
- Fixed issue [#645](#) - adds bottom to top media merging.
- Fixed issue [#648](#) - adds property level at-rule support.

3.3.10 / 2015-08-27

- Adds better comments + keepBreaks handling.
- Adds better text normalizing in source maps mode.
- Fixes non-adjacent optimizations for source maps.
- Fixes removing unused items.
- Improves output line break up with source maps.
- Refixed issue [#629](#) - source maps & background shorthands.

78

2.2.6 / 2014-07-05

- Adds faster quote matching in QuoteScanner.
- Improves QuoteScanner to handle comments correctly.
- Fixed issue [#308](#) - parsing comments in quoted URLs.
- Fixed issue [#311](#) - leading/trailing decimal points.

139

2.2.7 / 2014-07-10

- Fixed issue [#304](#) - merging multiple backgrounds.
- Fixed issue [#312](#) - merging with mixed repeat.

3.3.9 / 2015-08-09

- Fixed issue [#640](#) - URI processing regression.

3.3.8 / 2015-08-06

- Fixed issue [#629](#) - source maps & background shortcuts.
- Fixed issue [#630](#) - vendor prefixed flex optimizations.
- Fixed issue [#633](#) - handling data URI with brackets.
- Fixed issue [#634](#) - merging :placeholder selectors.

80

2.2.8 / 2014-07-14

- Fixed issue [#313](#) - processing comment marks in URLs.
- Fixed issue [#315](#) - rgba/hsla -> transparent in gradients.

137

2.2.9 / 2014-07-23

- Adds background normalization according to W3C spec.
- Fixed issue [#316](#) - incorrect background processing.

3.3.7 / 2015-07-29

- Fixed issue [#616](#) - ordering in restructuring.

3.3.6 / 2015-07-14

- Fixed issue [#620](#) - bold style in font shortands.

82

2.2.10 / 2014-07-27

- Improved performance of advanced mode validators.
- Fixed issue [#307](#) - background-color in multiple backgrounds.
- Fixed issue [#322](#) - adds background-size support.
- Fixed issue [#323](#) - stripping variable references.
- Fixed issue [#325](#) - removing invalid @charset declarations.

135

2.2.11 / 2014-07-28

- Fixed issue [#326](#) - background-size regression.

3.3.5 / 2015-07-01

- Fixed issue [#608](#) - custom URI protocols handling.

3.3.4 / 2015-06-24

- Fixed issue [#610](#) - border : inherit restoring.
- Fixed issue [#611](#) - edge case in quote stripping.

84

2.2.12 / 2014-08-02

- Fixed issue with tokenizer removing first selector after an unknown @ rule.
- Fixed issue [#329](#) - font shortands incorrectly processed.
- Fixed issue [#332](#) - background shorthand with colors.
- Refixed issue [#325](#) - invalid charset declarations.

133

2.2.13 / 2014-08-12

- Fixed issue [#337](#) - handling component importance.

3.3.3 / 2015-06-16

- Fixed issue [#603](#) - IE suffix hack defaults to on.

3.3.2 / 2015-06-14

- Fixed issue [#595](#) - more relaxed block matching.
- Fixed issue [#601](#) - percentage minifying inside `flex`.
- Fixed issue [#602](#) - backslash IE hacks after a space.

86

2.2.14 / 2014-08-25

- Makes multival operations idempotent.
- Fixed issue [#339](#) - skips invalid properties.
- Fixed issue [#341](#) - ensure output is shorter than input.

131

2.2.15 / 2014-09-01

- Fixed issue [#343](#) - too aggressive rgba/hsla minification.
- Fixed issue [#345](#) - URL rebasing for document relative ones.
- Fixed issue [#346](#) - overriding !important by !important.
- Fixed issue [#350](#) - edge cases in @import processing.

3.3.1 / 2015-06-02

- Fixed issue [#590](#) - edge case in @import processing.

3.3.0 / 2015-05-31

- Cleans up url rebase code getting rid of unnecessary state.
- Cleans up tokenizer code getting rid of unnecessary state.
- Moves source maps tracker into lib/source-maps/track.
- Moves tokenizer code into lib/tokenizer.
- Moves URL scanner into lib/urls/reduce (was named incorrectly before).
- Moves URL rebasing & rewriting into lib/urls.
- Fixed issue [#375](#) - unit compatibility switches.
- Fixed issue [#436](#) - refactors URI rewriting.
- Fixed issue [#448](#) - rebasing no protocol URIs.
- Fixed issue [#517](#) - turning off color optimizations.
- Fixed issue [#542](#) - space after closing brace in IE.
- Fixed issue [#562](#) - optimizing invalid color values.
- Fixed issue [#563](#) - background: inherit restoring.
- Fixed issue [#570](#) - rebasing "no-url()" imports.
- Fixed issue [#574](#) - rewriting internal URLs.
- Fixed issue [#575](#) - missing directory as a target.
- Fixed issue [#577](#) - background-clip into shorthand.
- Fixed issue [#579](#) - background-origin into shorthand.
- Fixed issue [#580](#) - mixed @import processing.
- Fixed issue [#582](#) - overriding with prefixed values.
- Fixed issue [#583](#) - URL quoting for SVG data.
- Fixed issue [#587](#) - too aggressive border reordering.

2.2.16 / 2014-09-16

- Fixed issue [#359](#) - handling escaped double backslash.
- Fixed issue [#358](#) - property merging in compatibility mode.
- Fixed issue [#356](#) - preserving *+html hack.
- Fixed issue [#354](#) - !important overriding in shorthands.

2.2.17 / 2014-11-09

- Fixed issue [#380](#) - rounding fractions to a whole number.

3.2.11 / 2015-05-31

- Fixed issue [#563](#) - `background: inherit` restoring.
- Fixed issue [#582](#) - overriding with prefixed values.
- Fixed issue [#583](#) - URL quoting for SVG data.
- Fixed issue [#587](#) - too aggressive border reordering.

- Fixed issue [#572](#) - empty elements removal.

3.2.10 / 2015-05-14

- Fixed issue [#383](#) - rounding fractions once again.

2.2.18 / 2014-11-17

2.2.19 / 2014-11-20

- Fixed issue [#385](#) - edge cases in processing cut off data.

3.2.9 / 2015-05-08

- Fixed issue [#567](#) - merging colors as functions.

3.2.8 / 2015-05-04

- Fixed issue [#561](#) - restructuring special selectors.

92

2.2.20 / 2014-12-02

- Backports fix to issue [#390](#) - pseudo-class merging.

125

2.2.21 / 2014-12-10

- Backports fix to issue [#373](#) - background shorthand merging.

3.2.7 / 2015-05-03

- Fixed issue [#551](#) - edge case in restructuring.
- Fixed issue [#553](#) - another style of SVG fallback.
- Fixed issue [#558](#) - units in same selector merging.

3.2.6 / 2015-04-28

- Fixed issue [#550](#) - proper contentSources tracking.
- Fixed issue [#556](#) - regression in IE backslash hacks.

94

2.2.22 / 2014-12-13

- Backports fix to issue [#304](#) - background-position merging.

123

- Fixed issue [#360](#) - adds 7 extra CSS colors.
- Fixed issue [#363](#) - rem units overriding px.
- Fixed issue [#373](#) - proper background shorthand merging.
- Fixed issue [#395](#) - unescaped brackets in data URIs.
- Fixed issue [#398](#) - restoring important comments.
- Fixed issue [#400](#) - API to accept an array of filenames.
- Fixed issue [#403](#) - tracking input files in source maps.
- Fixed issue [#404](#) - no state sharing in API.
- Fixed issue [#405](#) - disables default background-size merging.
- Refixed issue [#304](#) - background-position merging.

3.2.5 / 2015-04-25

- Fixed issue [#543](#) - better “comment in body” handling.
- Fixed issue [#548](#) - regression in font minifying.
- Fixed issue [#549](#) - special comments in source maps.

3.2.4 / 2015-04-24

- Fixed issue [#544](#) - regression in same value merging.
- Fixed issue [#546](#) - IE<11 calc() issue.

3.0.0 / 2014-12-18

- Adds more granular control over compatibility settings.
- Adds support for @counter-style at-rule.
- Adds --source-map/sourceMap switch for building input's source map.
- Adds --skip-shorthand-compacting option for disabling shorthand compacting.
- Allows target option to be a path to a folder instead of a file.
- Allows disabling rounding precision. By [@superlukas](#).
- Breaks 2.x compatibility for using CleanCSS as a function.
- Changes minify method output to handle multiple outputs.
- Reworks minification to tokenize first then minify. See [changes](#).
- Removes support for node.js 0.8.x.
- Renames noAdvanced option into advanced.
- Renames noAggressiveMerging option into aggressiveMerging.
- Renames noRebase option into rebase.
- Speeds up advanced processing by shortening optimize loop.
- Fixed issue [#125](#) - source maps!
- Fixed issue [#344](#) - merging background-size into shorthand.
- Fixed issue [#352](#) - honors rebasing in imported stylesheets.

3.0.1 / 2014-12-19

- Fixed issue [#410](#) - advanced merging and comments.
- Fixed issue [#411](#) - properties and important comments.

3.2.3 / 2015-04-22

- Fixed issue [#541](#) - outline-style:auto in shorthand.

- Fixed issue [#537](#) - regression in simple optimizer.
- ## 3.2.2 / 2015-04-21

- Fixed issue [#422](#) - handling calc as a unit.
- ## 3.0.2 / 2015-01-04

3.0.3 / 2015-01-07

- Just a version bump as npm incorrectly things 2.2.23 is the latest one.

3.2.1 / 2015-04-20

- Fixed issue [#534](#) - wrong @font-face stringifying.

3.2.0 / 2015-04-19

- Bumps commander to 2.8.x.
- Fixes remote asset rebasing when passing data as a hash.
- Improves path resolution inside source maps.
- Makes root option implicitly default to `process.cwd()`.
- Fixed issue [#371](#) - background fallback with none.
- Fixed issue [#376](#) - option to disable `θ [unit]` -> `θ`.
- Fixed issue [#396](#) - better input source maps tracking.
- Fixed issue [#397](#) - support for source map sources.
- Fixed issue [#399](#) - support compacting with source maps.
- Fixed issue [#429](#) - unifies data tokenization.
- Fixed issue [#446](#) - list -style fuzzy matching.
- Fixed issue [#468](#) - bumps source-map to 0.4.x.
- Fixed issue [#480](#) - extracting uppercase property names.
- Fixed issue [#487](#) - source map paths under Windows.
- Fixed issue [#490](#) - vendor prefixed multivalue background.
- Fixed issue [#500](#) - merging duplicate adjacent properties.
- Fixed issue [#504](#) - keeping url() quotes.
- Fixed issue [#507](#) - merging longhands into many shorthands.
- Fixed issue [#508](#) - removing duplicate media queries.
- Fixed issue [#521](#) - unit optimizations inside calc().
- Fixed issue [#524](#) - timeouts in @import inlining.
- Fixed issue [#526](#) - shorthand overriding into a function.
- Fixed issue [#528](#) - better support for IE<9 hacks.
- Fixed issue [#529](#) - wrong font weight minification.

100

- Fixed issue [#314](#) - spaces inside calc.

3.0.4 / 2015-01-11

117

3.0.5 / 2015-01-18

- Fixed issue [#414](#) - source maps position fallback.
- Fixed issue [#433](#) - meging !important in shorthands.

3.1.9 / 2015-04-04

- Fixes issue [#511](#) -) advanced processing.

3.1.8 / 2015-03-17

- Fixes issue [#498](#) - reordering and flexbox.
- Fixes issue [#499](#) - too aggressive - removal.

102

3.0.6 / 2015-01-20

- Refixed issue [#414](#) - source maps position fallback.

115

3.0.7 / 2015-01-22

- Fixed issue [#441](#) - hex to name color converting.

3.1.7 / 2015-03-16

- Backports fix to [#480](#) - reordering and uppercase properties.
- Fixes issue [#496](#) - space after bracket removal.

3.1.6 / 2015-03-12

- Fixes issue [#489](#) - AlphaImageLoader IE filter.

104

3.0.8 / 2015-01-31

- Fixed issue [#447](#) - background-color in shorthands.
- Fixed issue [#450](#) - name to hex color converting.

113

3.0.9 / 2015-02-04

- Fixed issue [#452](#) - regression in advanced merging.

3.1.5 / 2015-03-06

- Fixes issue [#483](#) - property order in restructuring.

3.1.4 / 2015-03-04

- Fixes issue [#472](#) - broken function minification.
- Fixes issue [#477](#) - @imports order in restructuring.
- Fixes issue [#478](#) - ultimate fix to brace whitespace.

3.0.10 / 2015-02-07

- Fixed issue [#453](#) - double background-repeat.
- Fixed issue [#455](#) - property extracting regression.

3.1.0 / 2015-02-26

- Adds `0deg` to `0` minification where possible.
- Adds better non-adjacent selector merging when body is the same.
- Adds official support for node.js 0.12.
- Adds official support for io.js 1.0.
- Adds restructuring optimizations to reorganize selectors, which vastly improves minification.
- Fixed issue [#158](#) - adds body-based selectors reduction.
- Fixed issue [#182](#) - removing space after closing brace.
- Fixed issue [#204](#) - `@media` merging.
- Fixed issue [#351](#) - remote `@imports` after content.
- Fixed issue [#357](#) - non-standard but valid URLs.
- Fixed issue [#416](#) - accepts hash as `minify` argument.
- Fixed issue [#419](#) - multiple input source maps.
- Fixed issue [#435](#) - `background-clip` in shorthand.
- Fixed issue [#439](#) - `background-origin` in shorthand.
- Fixed issue [#442](#) - space before adjacent `nav`.
- Fixed issue [#445](#) - regression issue in url processor.
- Fixed issue [#449](#) - warns of missing close braces.
- Fixed issue [#463](#) - relative remote `@import` URLs.

3.1.3 / 2015-03-03

- Fixes issue [#464](#) - data URI with quoted braces.
- Fixes issue [#475](#) - whitespace after closing brace.

3.1.2 / 2015-03-01

- Refixed issue [#471](#) - correct order after restructuring.
- Fixes issue [#466](#) - rebuilding background shorthand.
- Fixes issue [#462](#) - escaped apostrophes in selectors.

108

3.1.1 / 2015-02-27

- Fixed issue [#469](#) - extracting broken property.
- Fixed issue [#470](#) - negative padding removal.
- Fixed issue [#471](#) - correct order after restructuring.

109