<img width="94" height="71" src="logo.svg" title="Autoprefixer logo by Anton Lovchikov">

# Contributing to Autoprefixer

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## Filing Issues

- If you have problems with the output CSS from Autoprefixer;

you’ll need to post:

1. Input CSS.

2. Output CSS.

3. Expected output CSS.

4. Browserslist config. If you use `browsers` or option,

create Browserslist config first.

5. Run `npm ls | grep autoprefixer` and check output.

- If Autoprefixer throws error:

1. Input CSS.

2. Browserslist config.

3. Error stacktrace (copy and paste the error message that you get

so we can identify where the problem is).

4. Run `npm ls | grep autoprefixer` and check output.

5. Run `npm ls | grep postcss` and check output.

## Getting Started

Before you begin contributing make sure you have a [GitHub account].

\* [Fork the repository](https://github.com/postcss/autoprefixer)

\* Clone a copy of it to your computer:

`git clone https://github.com/USERNAME/autoprefixer` (replace `USERNAME`

to your GitHub name).

\* Ensure that you have the [Yarn](https://yarnpkg.com/) package manager

installed.

\* Run `yarn install` this will install all dependencies needed to run tests.

[GitHub account]: https://github.com/signup/free

## Adding a Prefix

We’ll explain how would you go about adding a CSS feature to Autoprefixer.

For example, we’ll add support for a CSS feature called `background-clip: text`.

Note: Remember that the feature that you want to add must also be supported

on [Can I use](https://caniuse.com/).

1. Create a topic branch from the `master` branch.

Like this: `git checkout -b background-clip-text`.

2. To add support for a CSS feature you must call the convert function inside

of `data/prefixes.js` and specify three parameters: data, options

and a callback. Like this:

```js

f(require('caniuse-lite/data/features/background-clip-text'), browsers =>

prefix(['background-clip'], {

feature: 'background-clip-text',

browsers

})

)

```

3. If the prefix is simple (`-webkit-` for Safari, `-moz-` for Firefox,

all use the same syntax) go to step 8.

4. If you need some non-standard behavior for the prefix (`-webkit-` prefix

for Firefox or different syntax for different browsers) you will need

to create a “hack”. Create a JS file in the `libs/hacks` folder using

the name of the CSS feature as the filename.

5. Check out other hacks for examples. In this new class change the prefix

for `IE` to `-webkit-`. [See complete example](https://github.com/postcss/Autoprefixer/blob/73c7b6ab090a9a9a03869b3099096af00be7eb7d/lib/hacks/background-clip.js)

6. Load the new hack in `lib/prefixes.js`. Load it into `Declaration`

if you need a prefix for property name. Load it into `Value` if you need

a prefix for value.

```js

Declaration.hack(require('./hacks/background-clip'))

```

7. Create a `.css` and `.out.css` example in `test/cases`. Add this test to

`test/autoprefixer.test.js`:

```js

it('supports background-clip', () => check('background-clip'))

```

If you need different browsers, change `prefixer()` function in the top

of test file.

8. Run `yarn test`.

9. Push the branch to GitHub.

10. Open your fork on GitHub an send pull request.