CSS VENDOR PREFIXES

Noemi Bisicchia

WHAT ARE THEY?

CSS vendor prefixes, also sometimes known as CSS browser prefixes, are a way for browser makers to add support for new CSS features before those features are fully supported in all browsers.
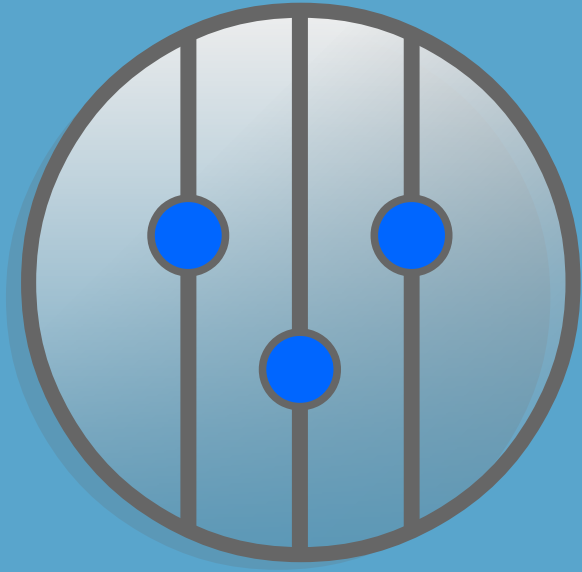
WHAT DOES THAT MEAN?

These prefixes became very popular with the rise of CSS3 a few years ago

- CSS3: excited properties

- Safari and Chrome: first to introduce animation-style properties

- Vendor prefixed: all the browsers were able to use those new features

Browser prefixes
are used to add
new CSS features

While having comfort
knowing that the
browsers will support
those styles.

The CSS browser prefixes are
specific to different browsers:

Safari:
-webkit-

Explorer:
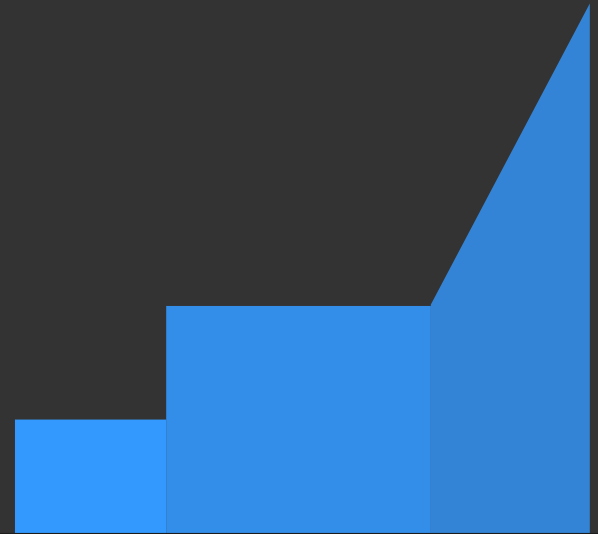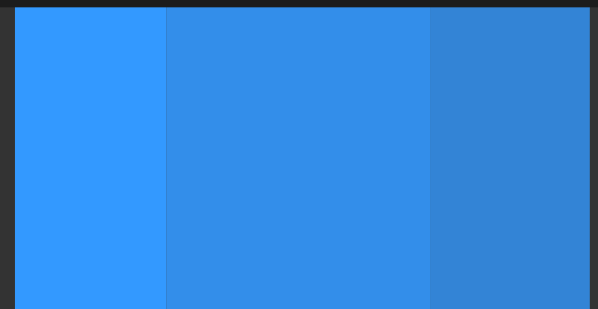-ms-

Chrome:
-webkit-

iOS:
-webkit-

Mozilla:
-moz-

Opera:
-o-

EXAMPLE

```css
background: #88779F;
background: -webkit-linear-gradient (#88779F, #685B79);
background: -moz-linear-gradient (#88779F, #685B79);
background: -ms-linear-gradient (#88779F, #685B79);
background: -o-linear-gradient (#88779F, #685B79);
background: linear-gradient(#88779F, #685B79);
```

http://www.colorzilla.com/gradient-editor/

CSS vendor prefixes
ARE NOT HACKS
and you should have
no reservations
about using them
in your work.

However...

The good news is that some properties
such as border-radius,
that once required browser prefixes,
no longer do.

EXAMPLE

Today:

CSS Vendor prefixes

- {
-moz-border-radius: 10px 5px;
-webkit-border-top-left-radius: 10px;
-webkit-border-top-right-radius: 5px;
-webkit-border-bottom-right-radius: 10px;
-webkit-border-bottom-left-radius: 5px;
border-radius: 10px 5px;
}

CSS without Vendor prefixes

- {
border-radius: 10px 5px;
}

Remembering what CSS to prefix is hard.
Today browsers develop quickly
and things often change.

Do we still need to use them?
Which one do we need exactly?

https://caniuse.com/#

http://shouldiprefix.com/

CAN I USE . COM

Can I use _____ border-radius _____ ?   ⚙ Settings

1 result found

Detected your country as "U.K.". Would you like to import usage data for that country?

Import   No thanks

CSS3 Border-radius (rounded corners) 📄 - CR

Usage   % of   all users ▾

Method of making the border corners round. Covers support for the shorthand `border-radius` as well as the long-hand properties (e.g. `border-top-left-radius`)

Global   94.74%
unprefixed: 94.69%

Current aligned | Usage relative | Date relative   Show all

IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
			49		9.3				
			61		10.2				
			62						
	15	57	63	10.1	10.3				4
11	16	58	64	11	11.2	all	64	11.4	6.2
	17	59	65	11.1	11.3				
		60	66	TP					
		61	67						

Notes | Known issues (4) | Resources (6) | Feedback

Browsers have supported the CSS3 version since:

4.0	**5.0**	**4.0**

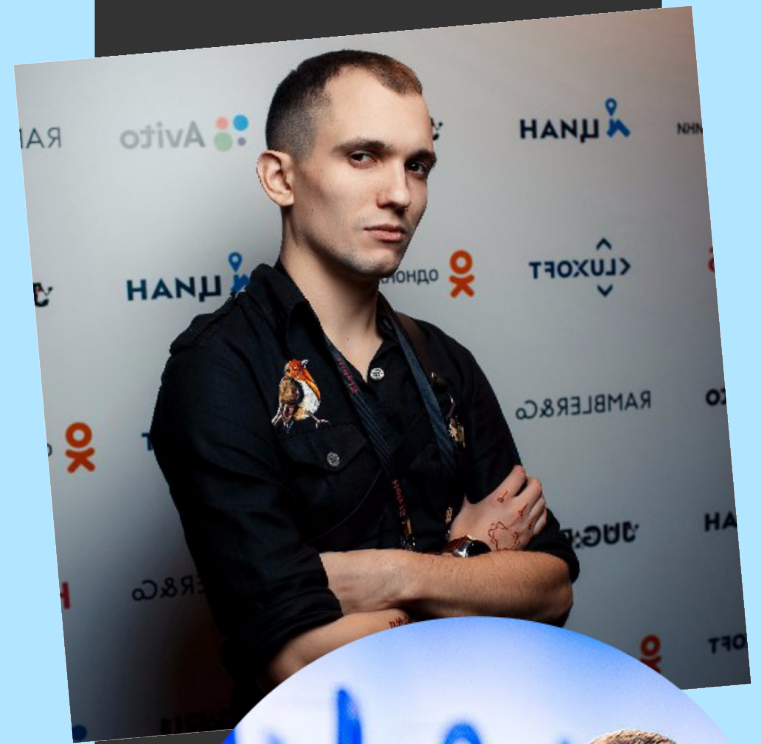|			
5.0	**10.5**	**2.1**	**9**

CALL IT MAGIC

Andrey Sitnik is the creator of the **Autoprefixer** tool, useful for handling vendor prefixes in CSS.

Autoprefixer adds vendor prefixes to CSS rules using the **Can I Use** website to determine which prefixes are needed.

All you have to do is add it to your asset building tool and you can totally forget about CSS vendor prefixes.

https://github.com/postcss/autoprefixer

PREFIX FREE

Prefix-free by Lea Verou is a bit of JavaScript that runs, looks through all your CSS, and appends to the page new styles with the proper prefixes needed to make those styles work, if necessary.

It's progressive enhancement at its finest since it will stop prefixing when browsers stop needing it!

http://leaverou.github.io/prefixfree/

THANK YOU

R E S O U R C E S

Learning Web Design 4ᵗʰ Edition
by Jennifer Niederst Robbins

HTML & CSS design and build websites
by Jon Duckett

https://css-tricks.com/how-to-deal-with-vendor-prefixes/

https://www.thoughtco.com/css-vendor-prefixes-3466867

https://www.youtube.com/watch?v=kmx0lWxHB20

http://www.nullalo.com/en/css-handling-vendor-prefixes/

https://www.youtube.com/watch?v=9dwGgUe578k

https://www.youtube.com/watch?v=97qPqVcMYgk

https://css-tricks.com/autoprefixer/