Cascading Style Sheets (CSS)

Browser Support

Can I Use

http://caniuse.com/

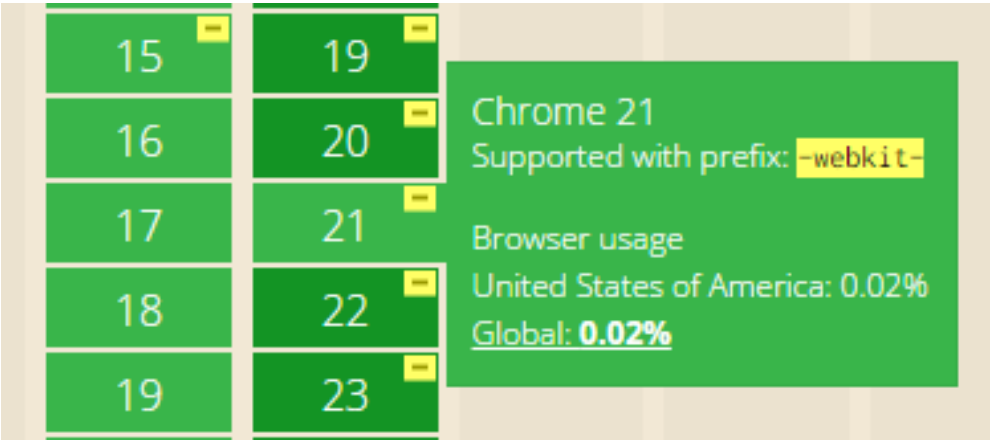
Vendor Prefixes

- sublime-autoprefixer (requires node)

Typically the vendors use these prefixes:

- `-webkit-` (Chrome, Safari, newer versions of Opera.)
- `-moz-` (Firefox)
- `-o-` (Old versions of Opera)
- `-ms-` (Internet Explorer)

Source: MDN



http://caniuse.com/#search=transform

Preferences -> Packages -> Autoprefixer -> Settings – Default

```
{
    "browsers": ["last 2 versions"],
    "cascade": true,
    "remove": true,
    "prefixOnSave": false
}
```

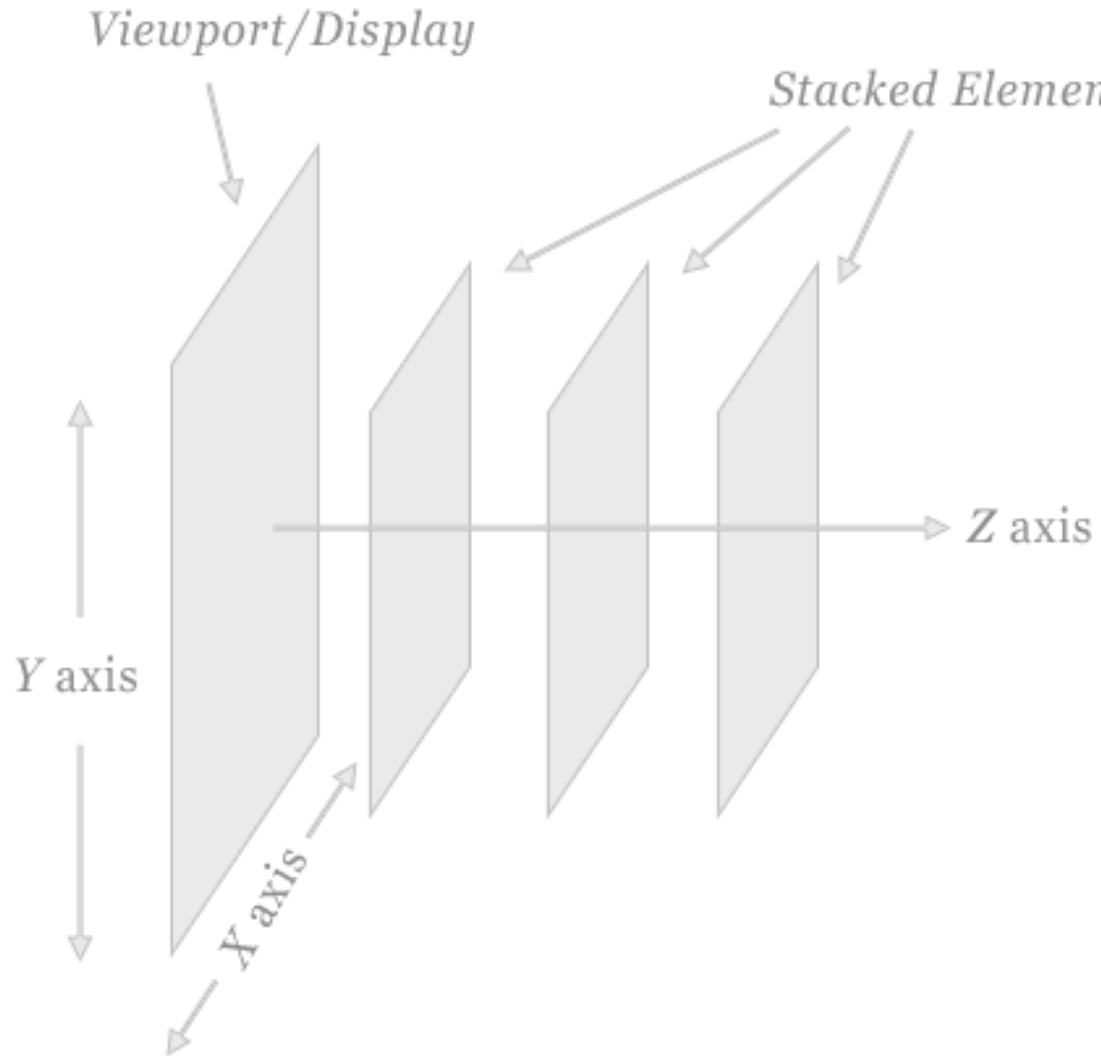
Preferences -> Packages -> Autoprefixer -> Settings – User

```
{
    "browsers": ["last 30 versions"],
    "prefixOnSave": true
}
```

Polyfills

- html5shiv for HTML5 elements
- -prefix-free for vendor prefixes
- Flexibility for flex-box support
- mediaelement.js for consistent audio/video players
- Etc.

Z-Index



https://www.smashingmagazine.com/2009/09/the-z-index-css-property-a-comprehensive-look/

Z-Index

- Z-index only applies to non-statically positioned elements
- There is no global z-index
- Resources
  - CSSTricks on z-index
  - Blog: “What No One Told You About Z-Index”

CSS3 Transitions

```
/* One property at a time */
transition-property: <property> | all | none;
transition-duration: 1s | 1000ms;
transition-timing-function: <same as animations>;
transition-delay: 0.2s | 200ms;

/* Or all at once */
transition: background-color 1s ease 0s;
```

Check out Shay Howe's transition tutorial

```
#image-1 {
    margin: 200px;
    width: 400px;
    transition: transform 0.5s ease 0s;
}

#image-1:hover {
    transform: scale(2) rotate(15deg);
}
```

Transition vs Animation

- Comprehensive blog post
  - Transitions don’t have keyframes
  - Transitions are more useful for user interfaces

animatable

One property, two values, endless possibilities

Fork me on GitHub

Animate on hover | Animate all

http://leaverou.github.io/animatable/

Media Styling

Object Fit & Object Position

- Controlling the size/position of an image/video within its container
- CSS Tricks on object-fit and object-position
- Quirks Mode on object-fit
- No support on IE, object-fit-images polyfill

Backgrounds

- Individual properties:
  - background-image
  - background-position
  - background-size
  - background-repeat
  - background-attachment
  - background-origin
  - background-clip
  - background-color
- Shorthand:
  - background

Shorthand

CSS

```css
body {
  background:
    url(sweettexture.jpg)     /* image */
    top center / 200px 200px /* position / size */
    no-repeat                 /* repeat */
    fixed                     /* attachment */
    padding-box               /* origin */
    content-box               /* clip */
    red;                      /* color */
}
```

Gradient Resources

- Gradient Generator tool
- CSS Tricks on CSS3 Gradients
- MDN on Using Gradients
- Gradient Animator (animates background-position)