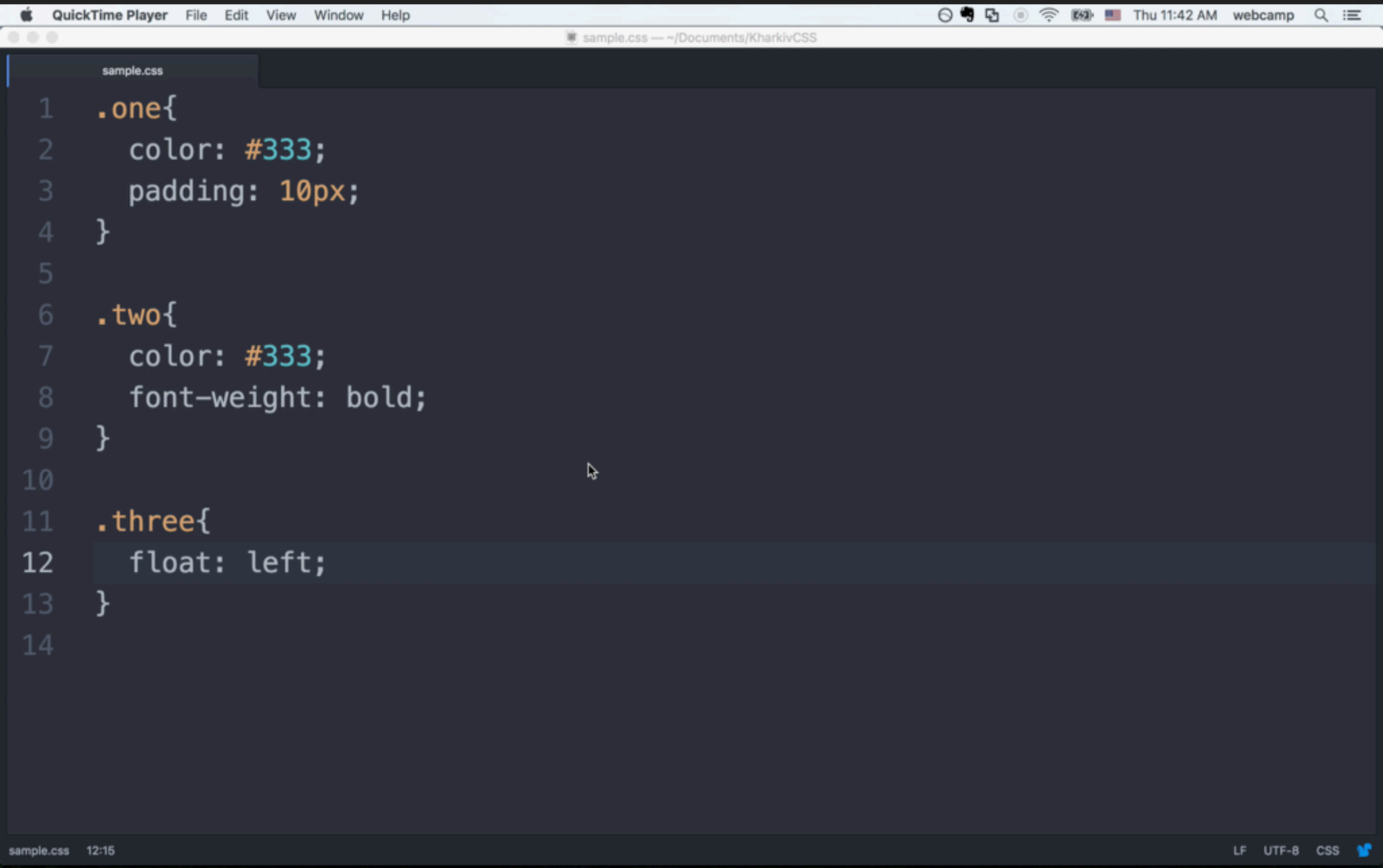
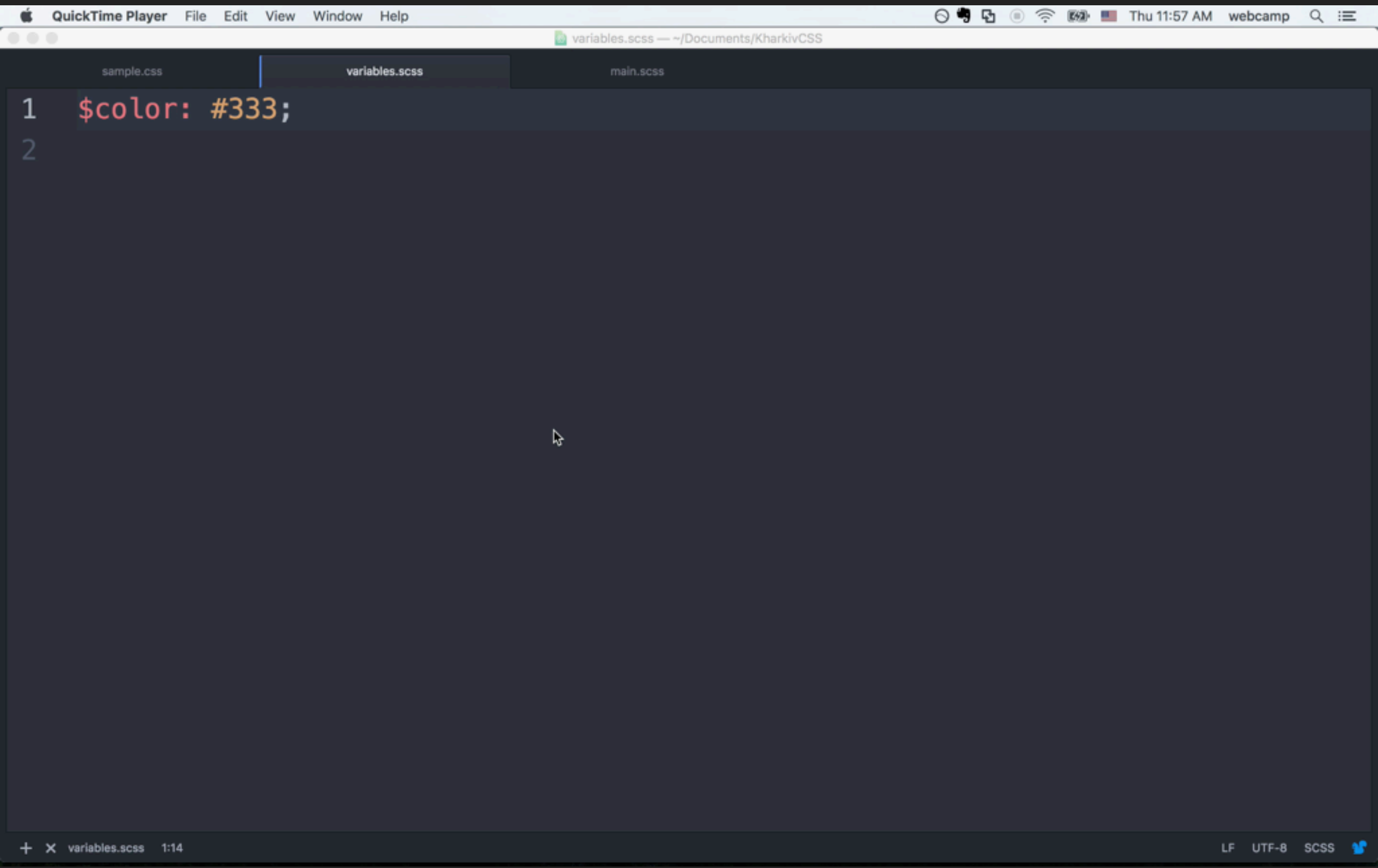
KHARKIV CSS

CSS VARIABLES

FIND-REPLACE STRATEGY



SASS/LESS STRATEGY



FRAMEWORKS AND LIBRARIES (CURRENT VERSIONS)

QuickTime Player File Edit View Window Help — Thu 12:10 PM webcamp — Olena

bootstrap-sass/_variables.scss × | foundation-sites/_settings.scss × | react-toolbox/_colors.scss at r ×

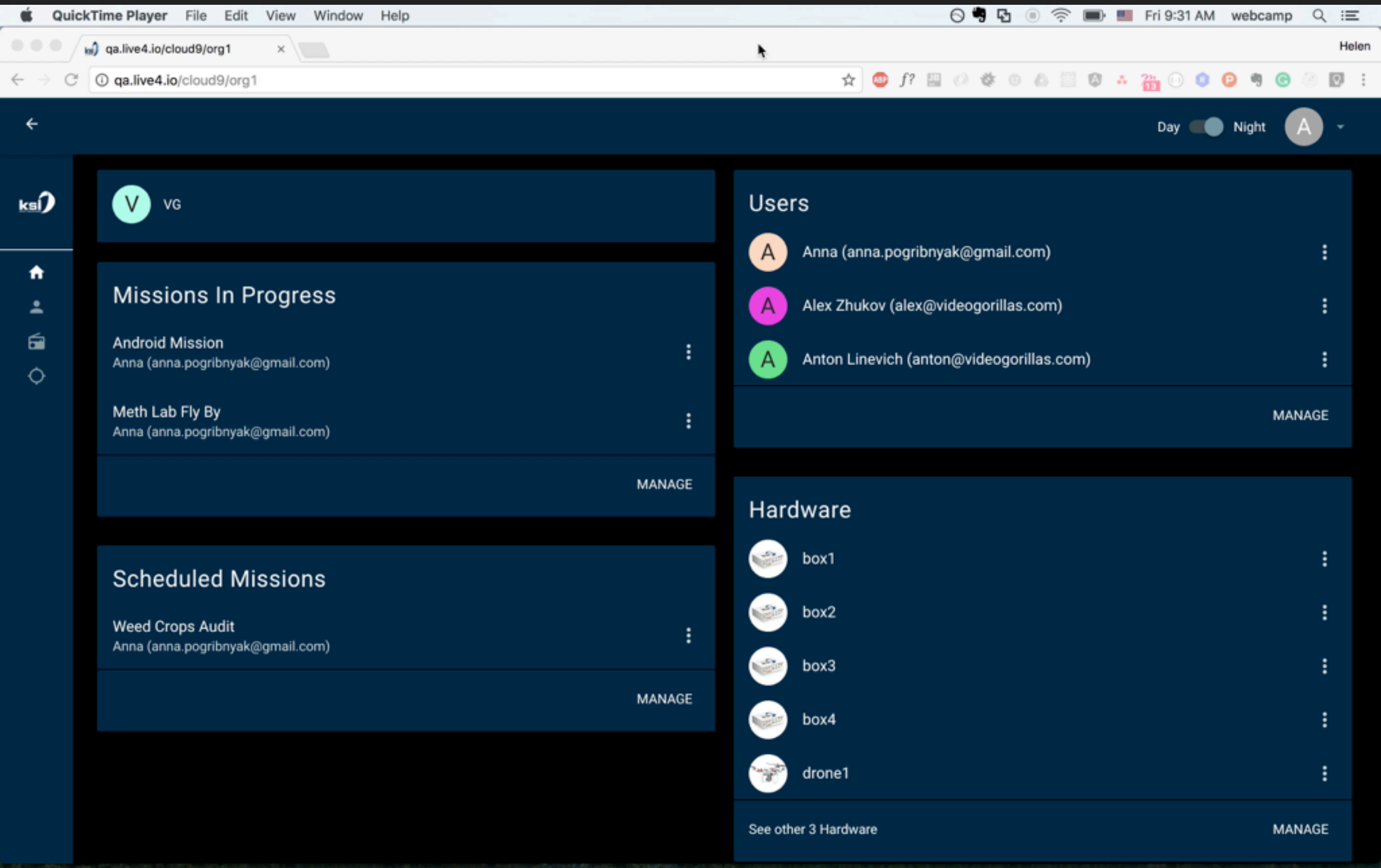
GitHub, Inc. [US] https://github.com/twbs/bootstrap-sass/blob/master/assets/stylesheets/bootstrap/_variables.scss

3 contributors

875 lines (668 sloc) | 30.6 KB — Raw | Blame | History

```
$bootstrap-sass-asset-helper: false !default;
//
// Variables
// --------------------------------------------------


//== Colors
//
//## Gray and brand colors for use across Bootstrap.

$gray-base:              #000 !default;
$gray-darker:            lighten($gray-base, 13.5%) !default; // #222
$gray-dark:              lighten($gray-base, 20%) !default;   // #333
$gray:                   lighten($gray-base, 33.5%) !default; // #555
$gray-light:             lighten($gray-base, 46.7%) !default; // #777
$gray-lighter:           lighten($gray-base, 93.5%) !default; // #eee

$brand-primary:         darken(#428bca, 6.5%) !default; // #337ab7
$brand-success:         #5cb85c !default;
$brand-info:            #5bc0de !default;
$brand-warning:         #f0ad4e !default;
$brand-danger:          #d9534f !default;


//== Scaffolding
//
//## Settings for some of the most global styles.

//** Background color for `<body>`.
$body-bg:               #fff !default;
//** Global text color on `<body>`.
$text-color:            $gray-dark !default;

//** Global textual link color.
$link-color:            $brand-primary !default;
//** Link hover color set via `darken()` function.
```

DAY/NIGHT THEME



CSS VARIABLES

CSS4 SYNTAX

var.css — ~/Documents/KharkivCSS

var.css

```
1  /*SYNTAX*/
2
3  var( <custom-property-name> [, <declaration-value> ]? )
4
5  /*EXAMPLES*/
6  :root {
7    --main-bg-color: pink;
8  }
9
10 body {
11   background-color: var(--main-bg-color);
12 }
13
```

var.css 5:1 LF UTF-8 CSS

SASS SYNTAX

sass-var.scss — ~/Documents/KharkivCSS

sass-var.scss

```scss
$bg-color: pink;

body {
  background-color: $bg-color;
}

```

sass-var.scss 4:30 LF UTF-8 SCSS

WHY ARE CSS VARIABLES BETTER

DYNAMIC

SASS MEDIA QUERY

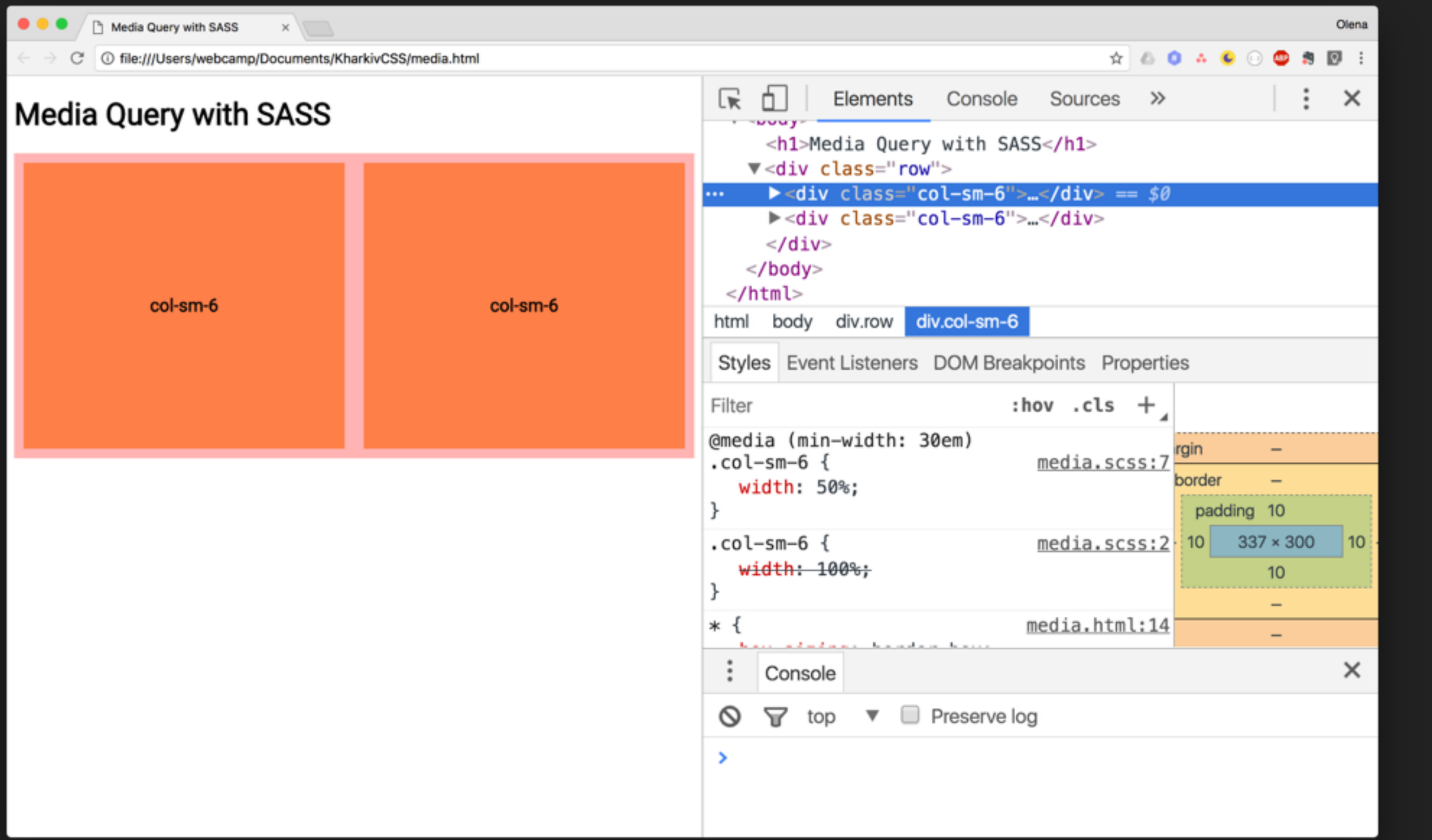
media.scss — ~/Documents/KharkivCSS

media.scss | media.css | media.html

```scss
$width: 100%;
.col-sm-6 {
  width: $width;
}
@media (min-width: 30em) {
  $width: 50%;
  .col-sm-6 {
    width: $width;
  }
}

```

media.scss 1:14 LF UTF-8 SCSS

SASS MEDIA QUERY



CSS VARIABLES MEDIA QUERY

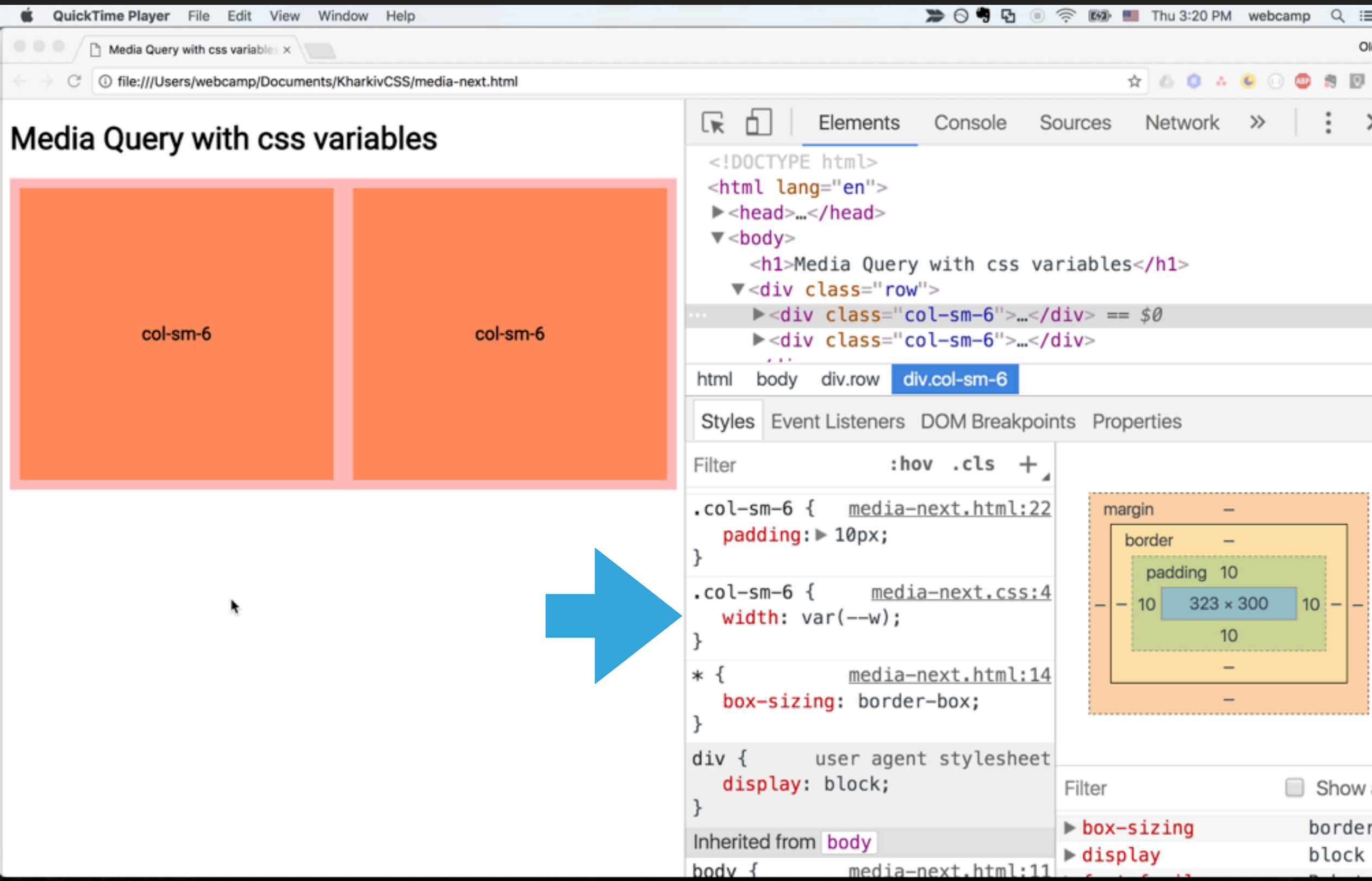
media-next.css — ~/Documents/KharkivCSS

media-next.css | media-next.html

```
1   :root{
2     --w: 100%;
3   }
4   .col-sm-6 {
5     width: var(--w);
6   }
7   @media (min-width: 30em) {
8     :root{
9       --w: 50%;
10    }
11  }
12
```

media-next.css 9:14 LF UTF-8 CSS

CSS VARIABLES MEDIA QUERY



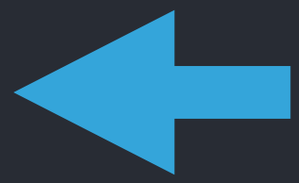
CASCADE

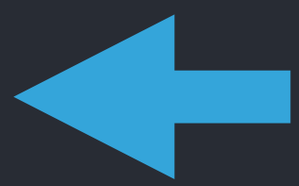
SASS CASCADE

cascade.scss — ~/Documents/KharkivCSS

cascade.html | cascade.scss | cascade.css

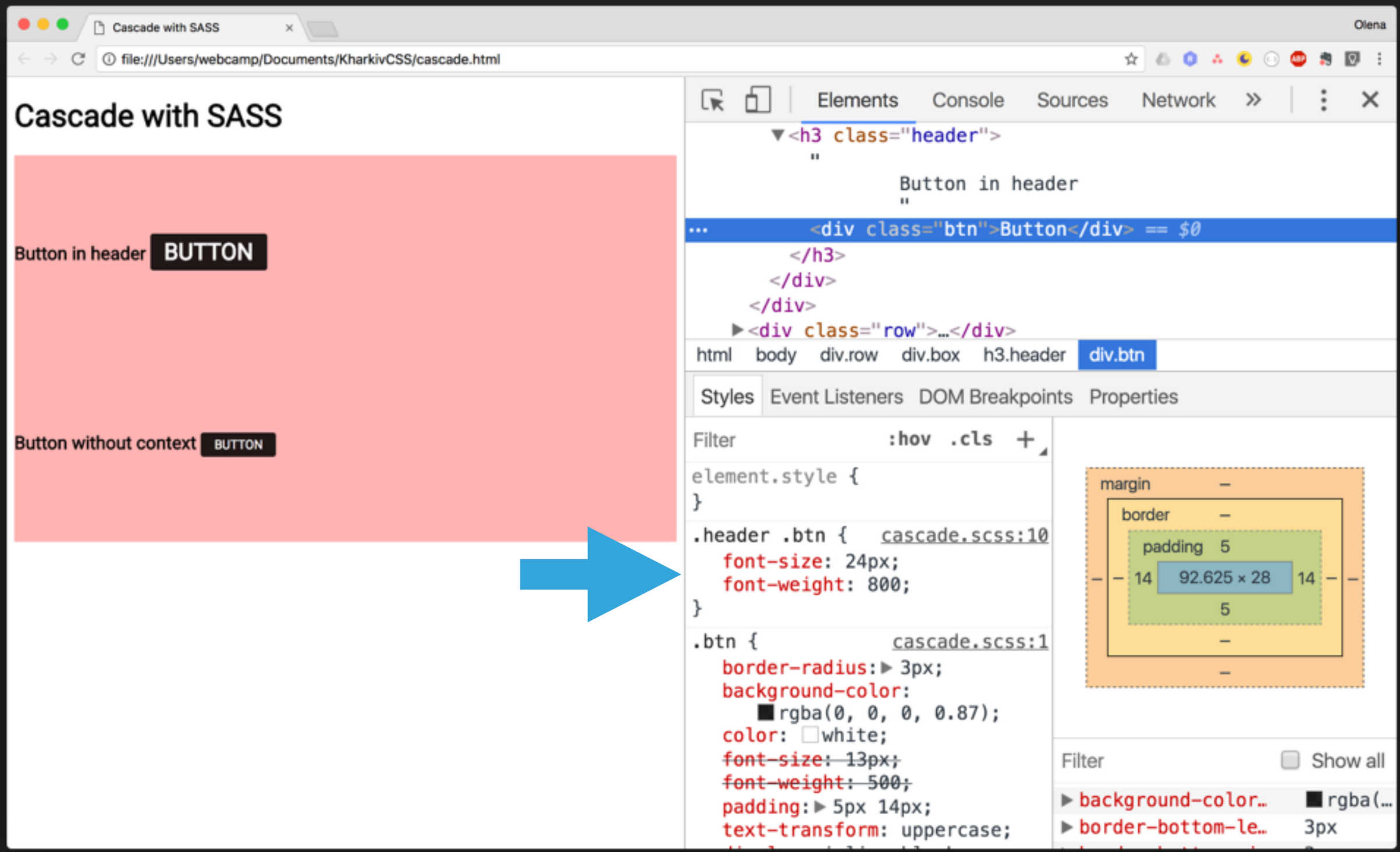
```
1   .btn{
2     border-radius: 3px;
3     background-color: rgba(0,0,0,.87);
4     color: white;
5     font-size: 13px;
6     font-weight: 500;
7     padding: 5px 14px;
8     text-transform: uppercase;
9     display: inline-block;
10    .header &{
11      font-size: 24px;
12      font-weight: 800;
13    }
14  }
```





cascade.scss 3:37 LF UTF-8 SCSS

SASS CASCADE



CSS VARIABLES CASCADE

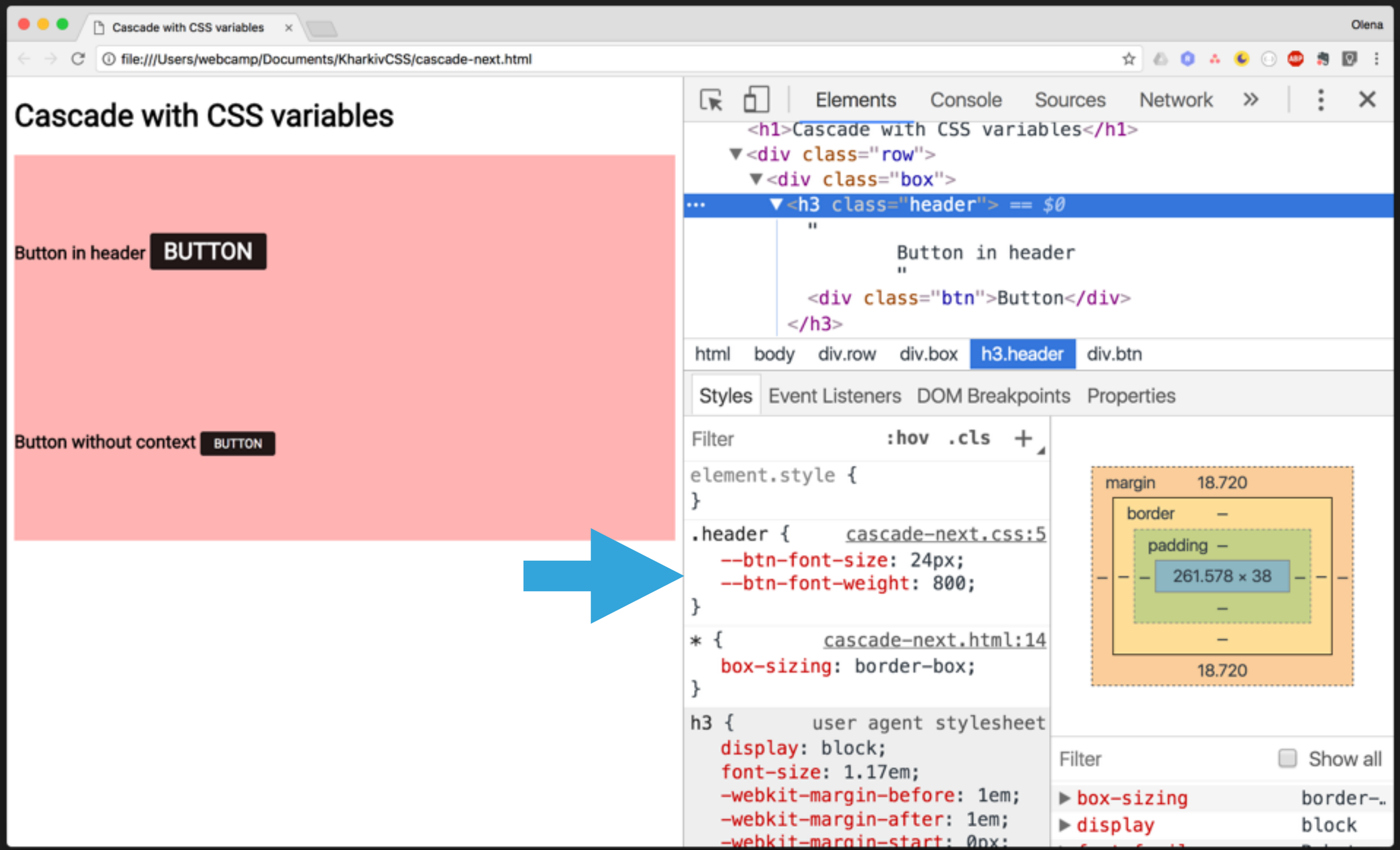
cascade-next.css — ~/Documents/KharkivCSS

cascade-next.html | cascade-next.css

```
1   :root{
2     --btn-font-size: 13px;
3     --btn-font-weight: 500;
4   }
5   .header {
6     --btn-font-size: 24px;
7     --btn-font-weight: 800;
8   }
9   .btn {
10    border-radius: 3px;
11    background-color: rgba(0, 0, 0, 0.87);
12    color: white;
13    font-size: var(--btn-font-size);
14    font-weight: var(--btn-font-weight);
15    padding: 5px 14px;
16    text-transform: uppercase;
```

cascade-next.css 8:2 LF UTF-8 CSS

CSS VARIABLES CASCADE



CSS VARIABLES CASCADE

cascade-next.css — ~/Documents/KharkivCSS

cascade-next.html

```
27      }
28      </style>
29    </head>
30    <body>
31      <h1>Cascade with CSS variable
32      <div class="row">
33        <div class="color">
34          text in .color
35        </div>
36      </div>
37    </body>
38    </html>
39
```

cascade-next.css

```
1   :root{
2     --color: #000;
3   }
4   /*Cascade*/
5   body{
6     color: var(--color);
7   }
8
9   .color {
10    --color: blue;
11  }
12
```

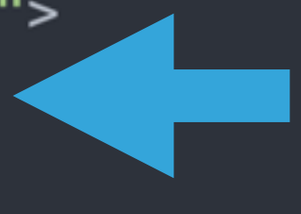
cascade-next.css 12:1 LF UTF-8 CSS 1 update

CSS VARIABLES CASCADE

cascade-next.css — ~/Documents/KharkivCSS

cascade-next.html

```
27      }
28      </style>
29    </head>
30    <body>
31      <h1>Cascade with CSS variable
32      <div class="row">
33        <div class="color">
34          text in .color
35        </div>
36      </div>
37    </body>
38    </html>
39
```

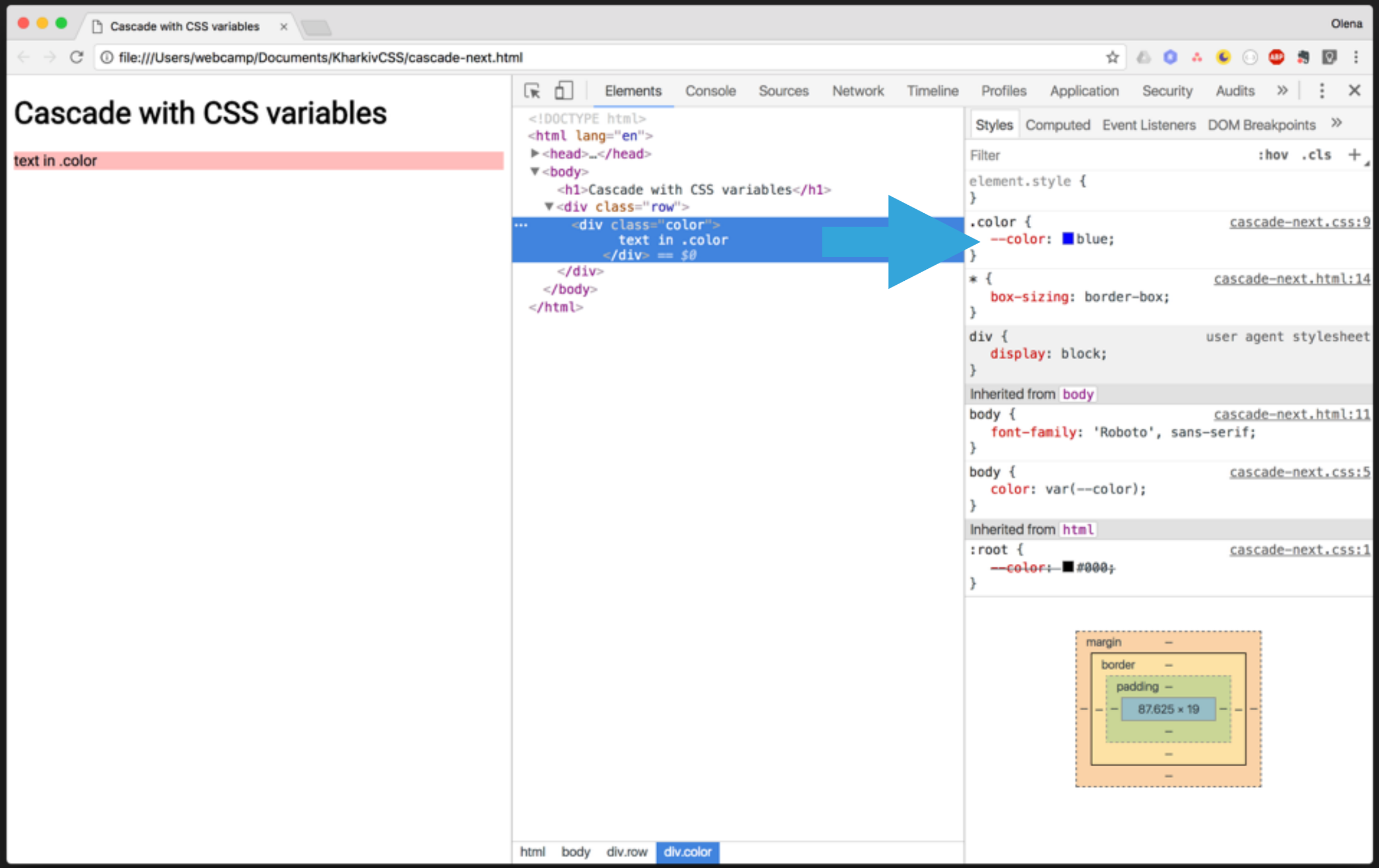


cascade-next.css

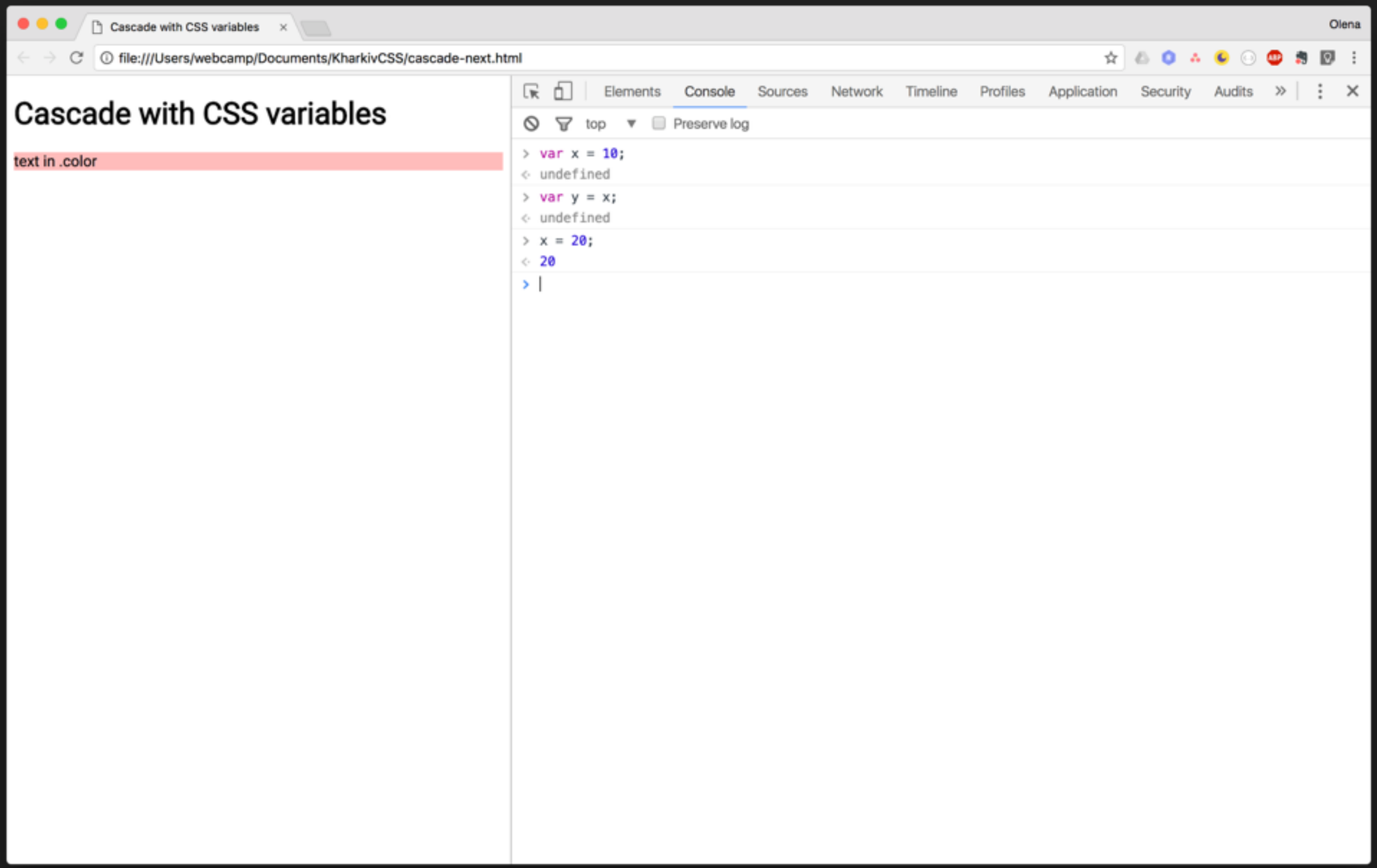
```
1   :root{
2     --color: #000;
3   }
4   /*Cascade*/
5   .color {
6     --color: blue;
7   }
8
9   body{
10    color: var(--color);
11  }
12
```

cascade-next.css 11:2 LF UTF-8 CSS 1 update

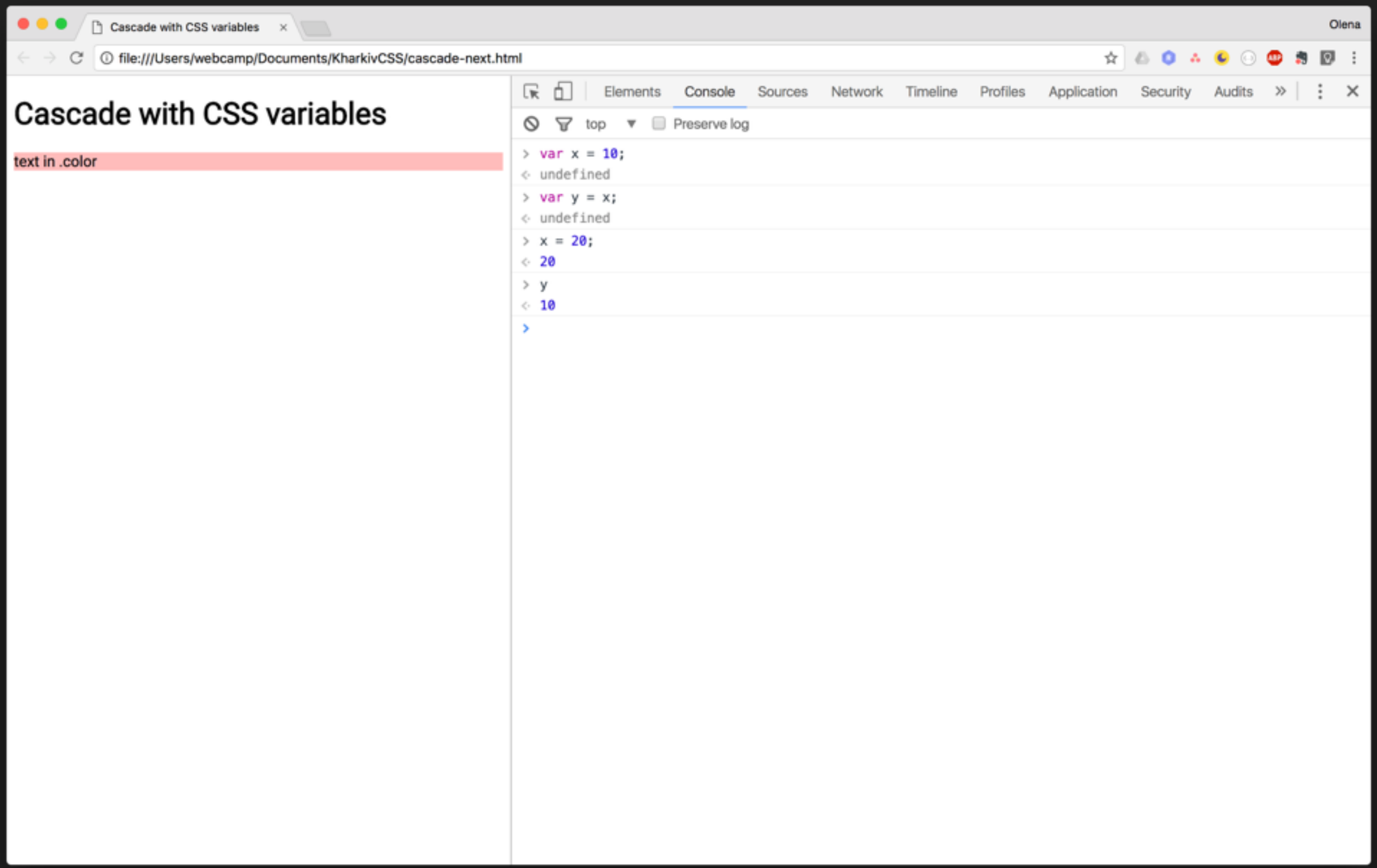
CSS VARIABLES CASCADE



CSS VARIABLES CASCADE



CSS VARIABLES CASCADE



CSS VARIABLES CASCADE

cascade-next.css — ~/Documents/KharkivCSS

cascade-next.html

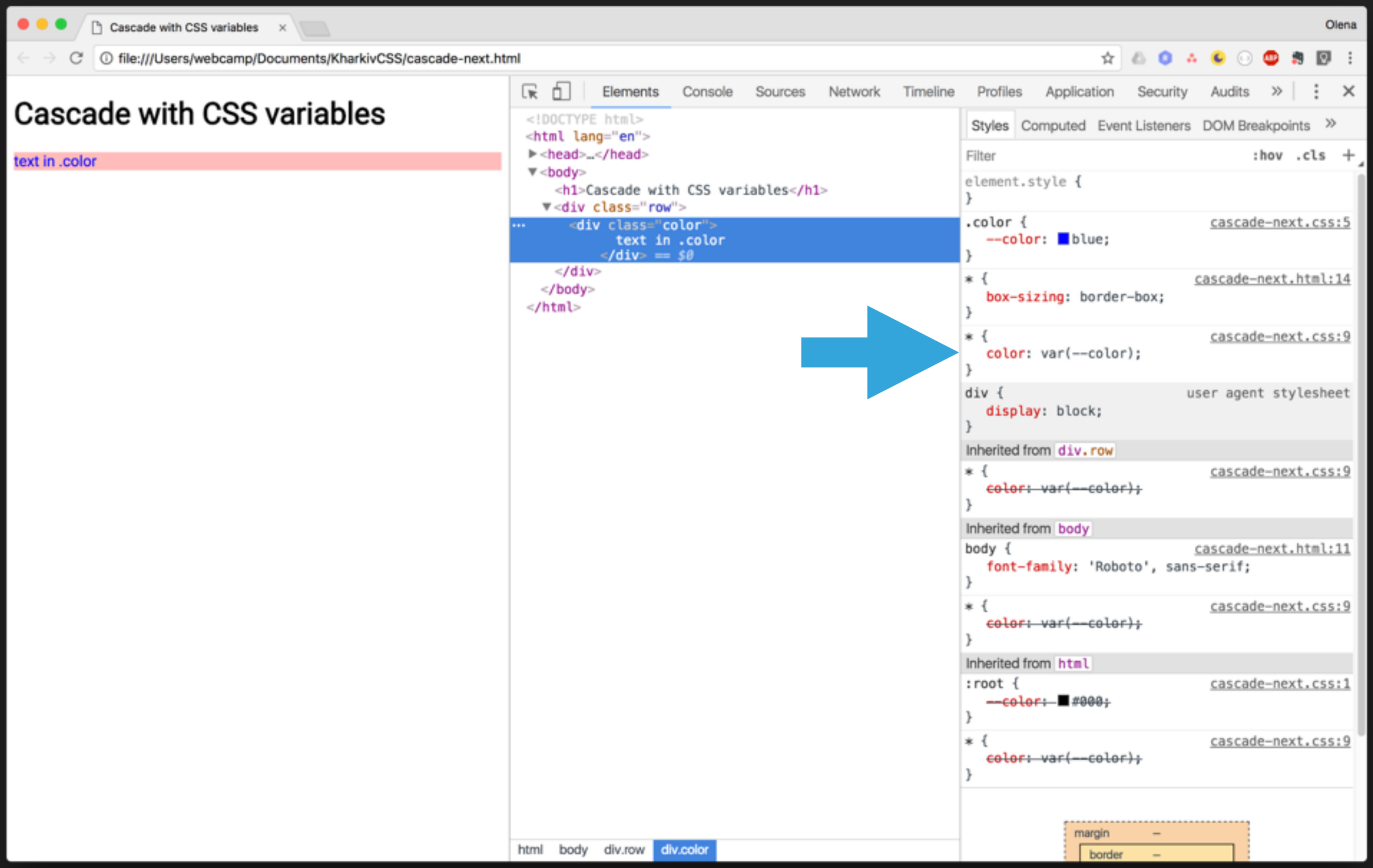
```
27      }
28      </style>
29    </head>
30    <body>
31      <h1>Cascade with CSS variable
32      <div class="row">
33        <div class="color">
34          text in .color
35        </div>
36      </div>
37    </body>
38    </html>
39
```

cascade-next.css

```
1   :root{
2     --color: #000;
3   }
4   /*Cascade*/
5   .color {
6     --color: blue;
7   }
8
9   *{
10    color: var(--color);
11  }
12
```

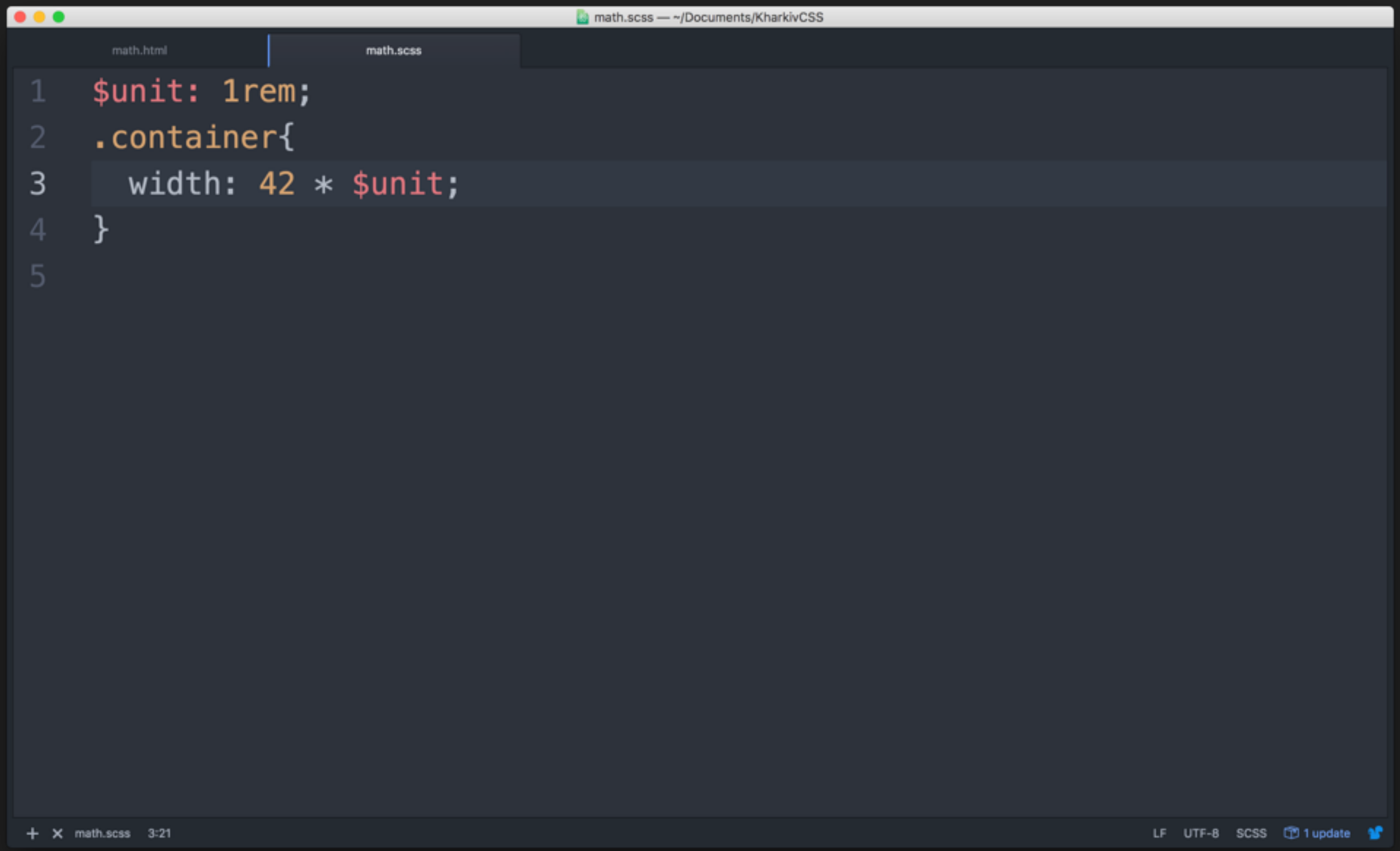
cascade-next.css* 9:2 LF UTF-8 CSS 1 update

CSS VARIABLES CASCADE

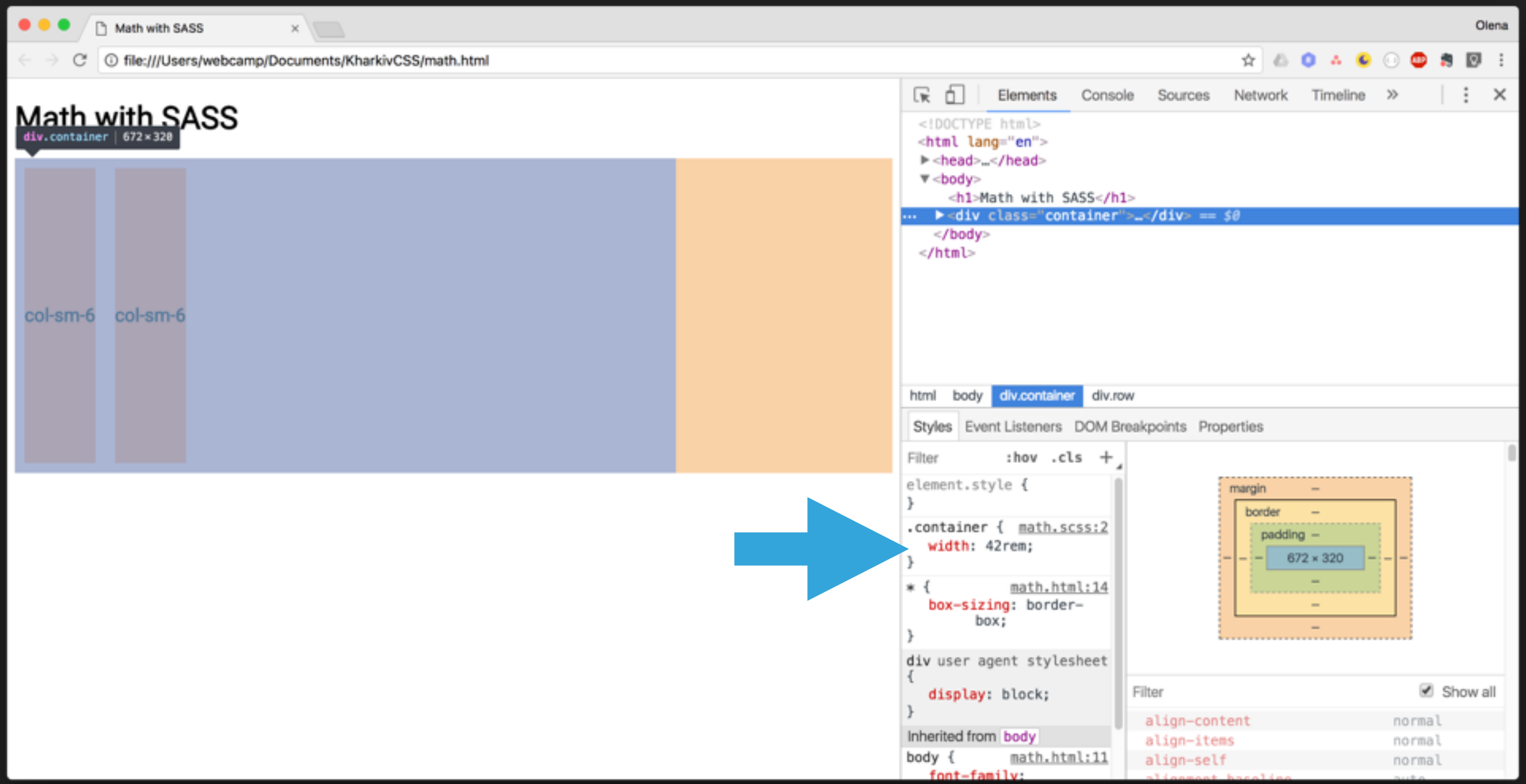


MATH

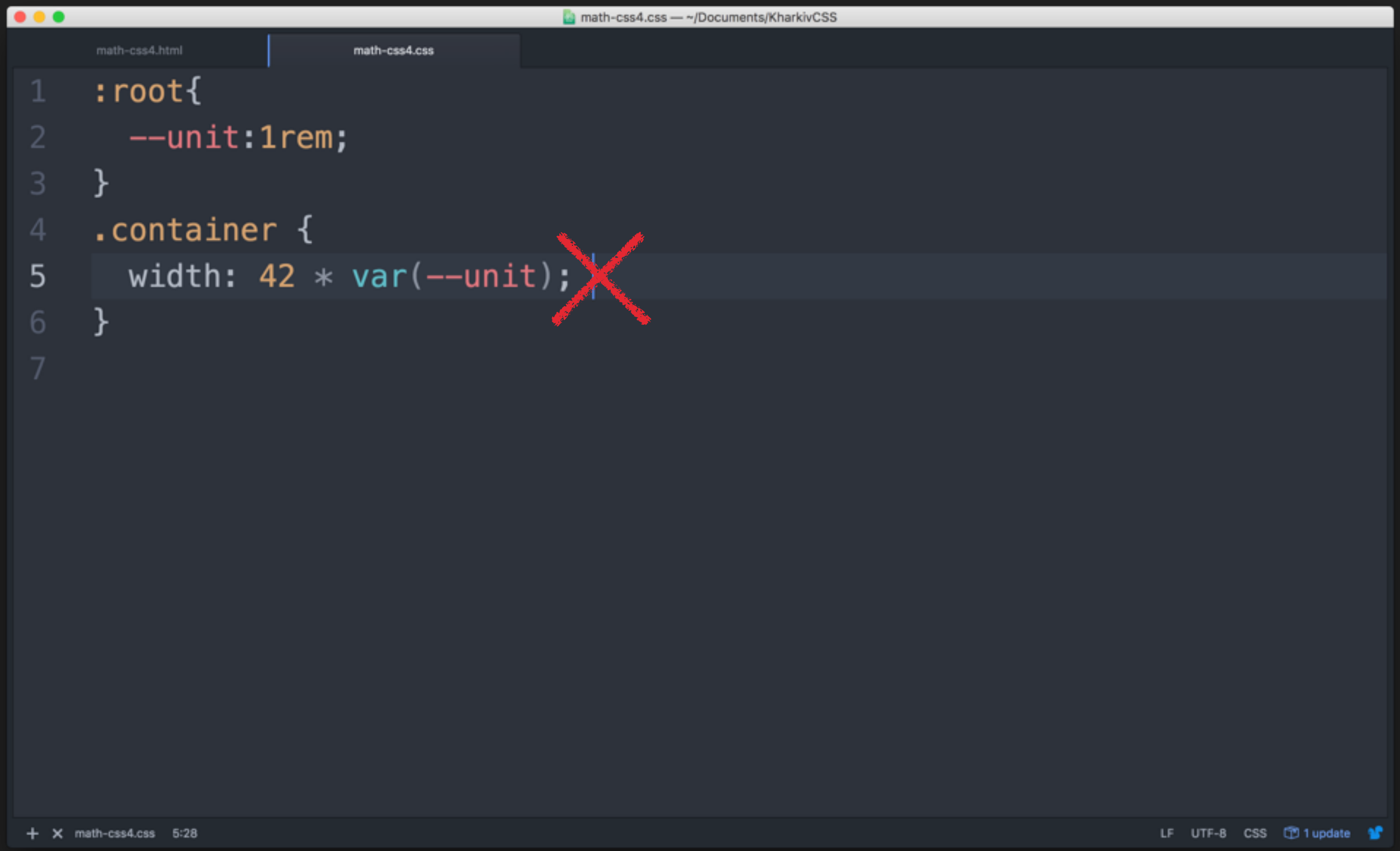
SASS MATH


math.scss — ~/Documents/KharkivCSS
math.html
math.scss
1 $unit: 1rem;
2 .container{
3 width: 42 * $unit;
4 }
5
math.scss 3:21
LF UTF-8 SCSS 1 update

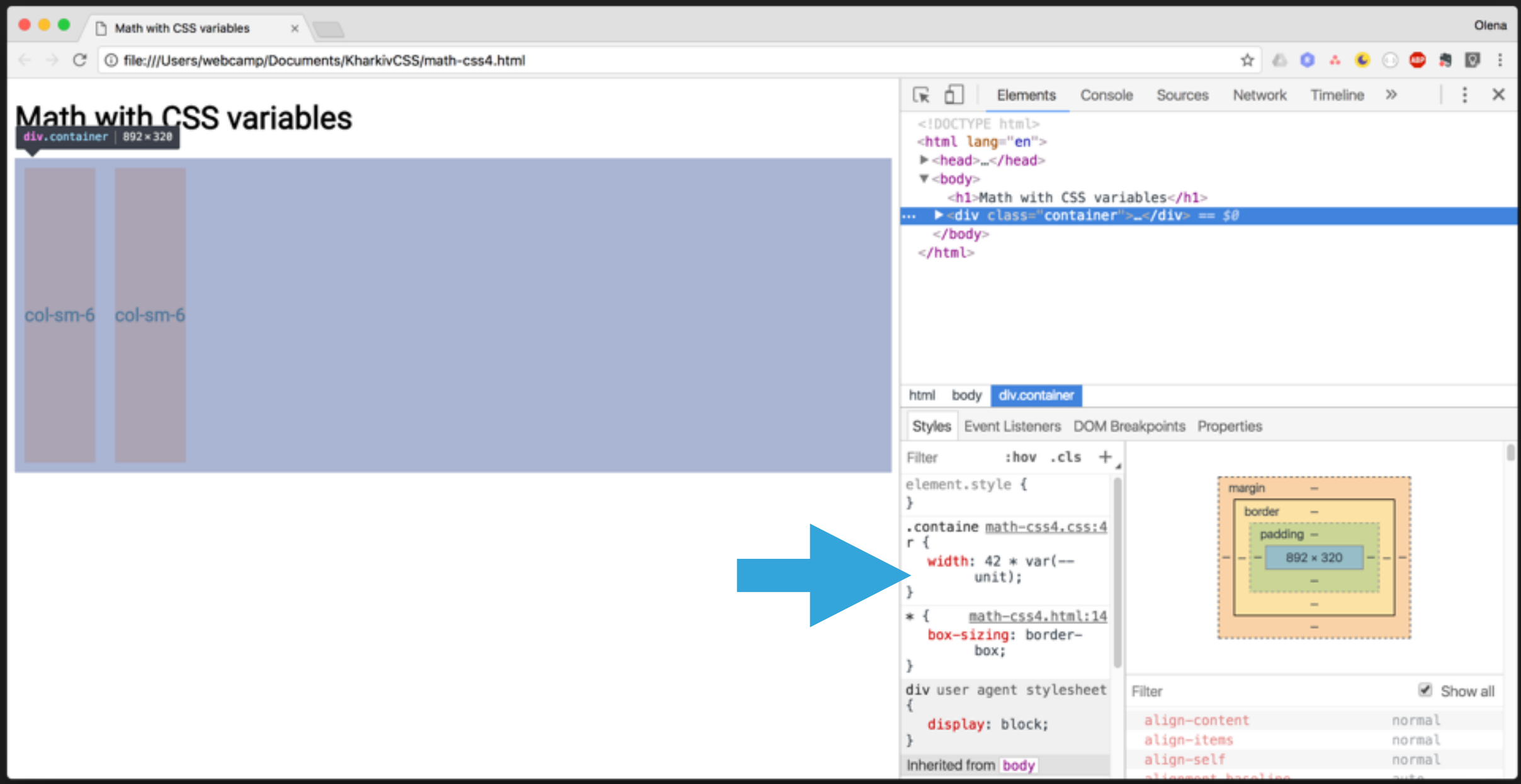
SASS MATH


Math with SASS
Olena
file:///Users/webcamp/Documents/KharkivCSS/math.html
Math with SASS
div.container | 672 × 320
col-sm-6
col-sm-6
Elements
Console
Sources
Network
Timeline
<!DOCTYPE html>
<html lang="en">
<head>…</head>
<body>
<h1>Math with SASS</h1>
… == $0
</body>
</html>
html
body
div.container
div.row
Styles
Event Listeners
DOM Breakpoints
Properties
Filter
:hov .cls +
element.style {
}
.container { math.scss:2
width: 42rem;
}
* { math.html:14
box-sizing: border-box;
}
div user agent stylesheet
{
display: block;
}
Inherited from body
body { math.html:11
margin
border
padding
672 × 320
Filter
Show all
align-content
normal
align-items
normal
align-self
normal

CSS VARIABLES MATH



CSS VARIABLES MATH



CSS VARIABLES MATH

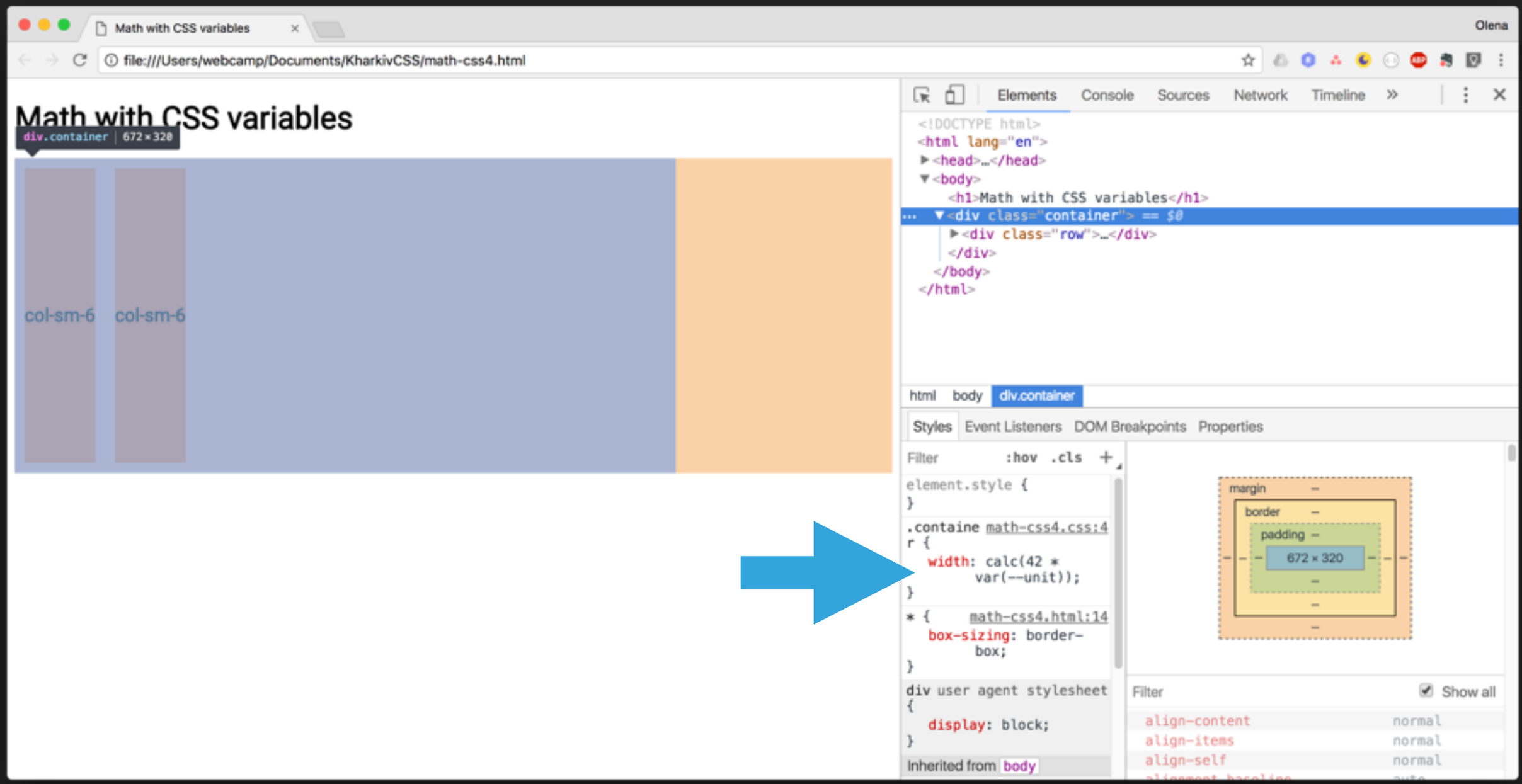
math-css4.css — ~/Documents/KharkivCSS

math-css4.html | math-css4.css

```
1  :root{
2    --unit:1rem;
3  }
4  .container {
5    width: calc(42 * var(--unit));
6  }
7
```

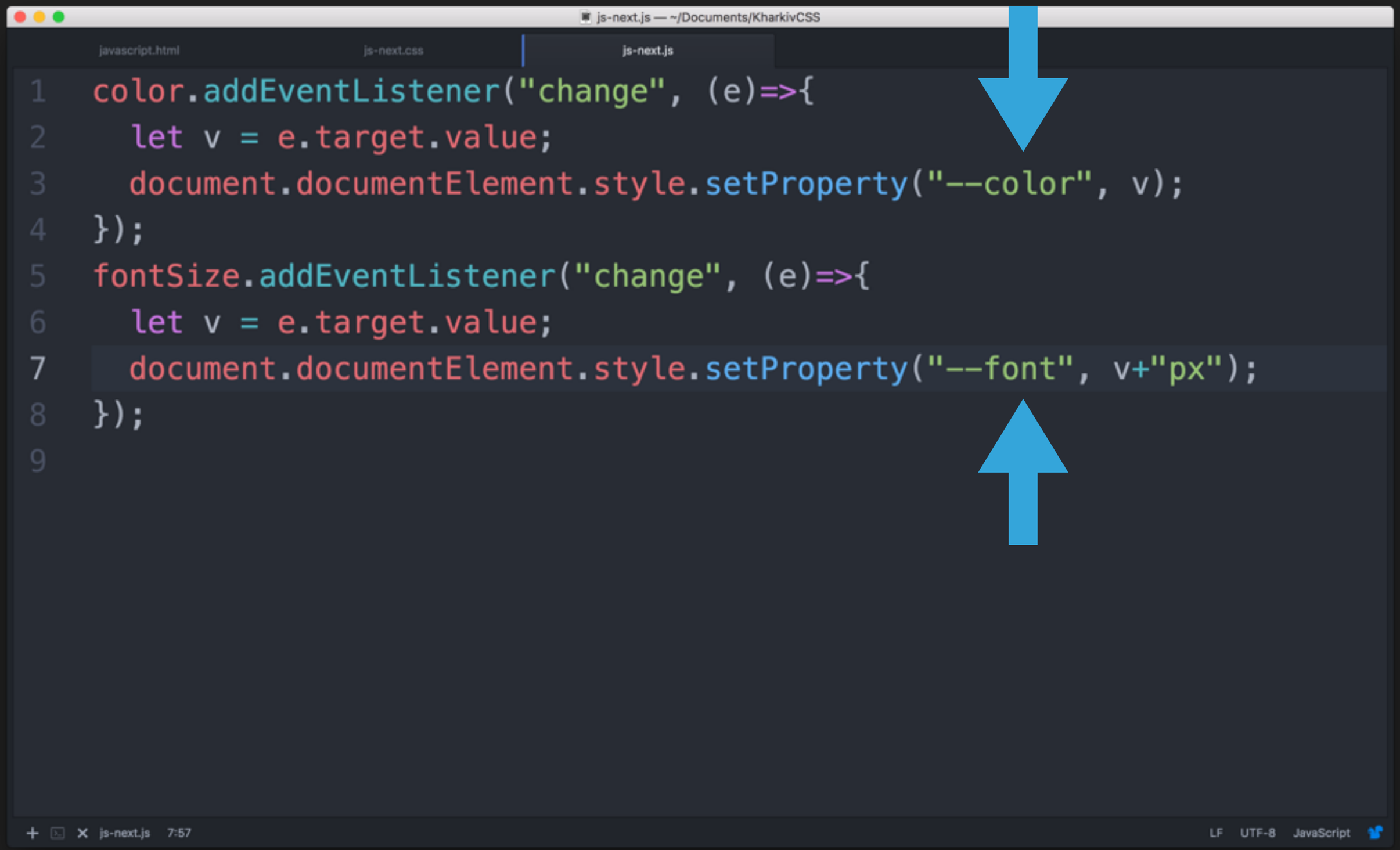
math-css4.css 5:32 LF UTF-8 CSS 1 update

CSS VARIABLES MATH

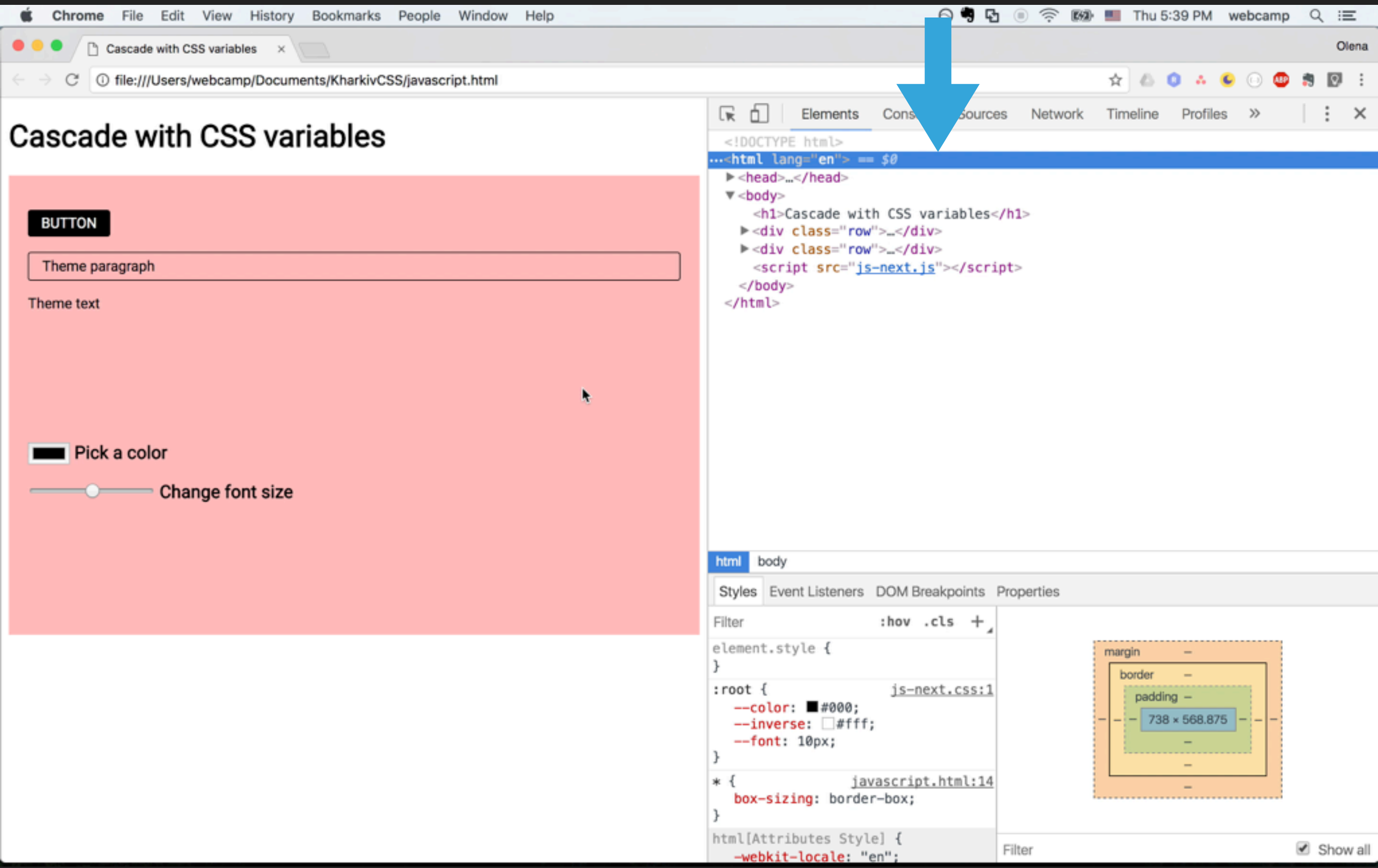


JAVASCRIPT

CSS VARIABLES JAVASCRIPT

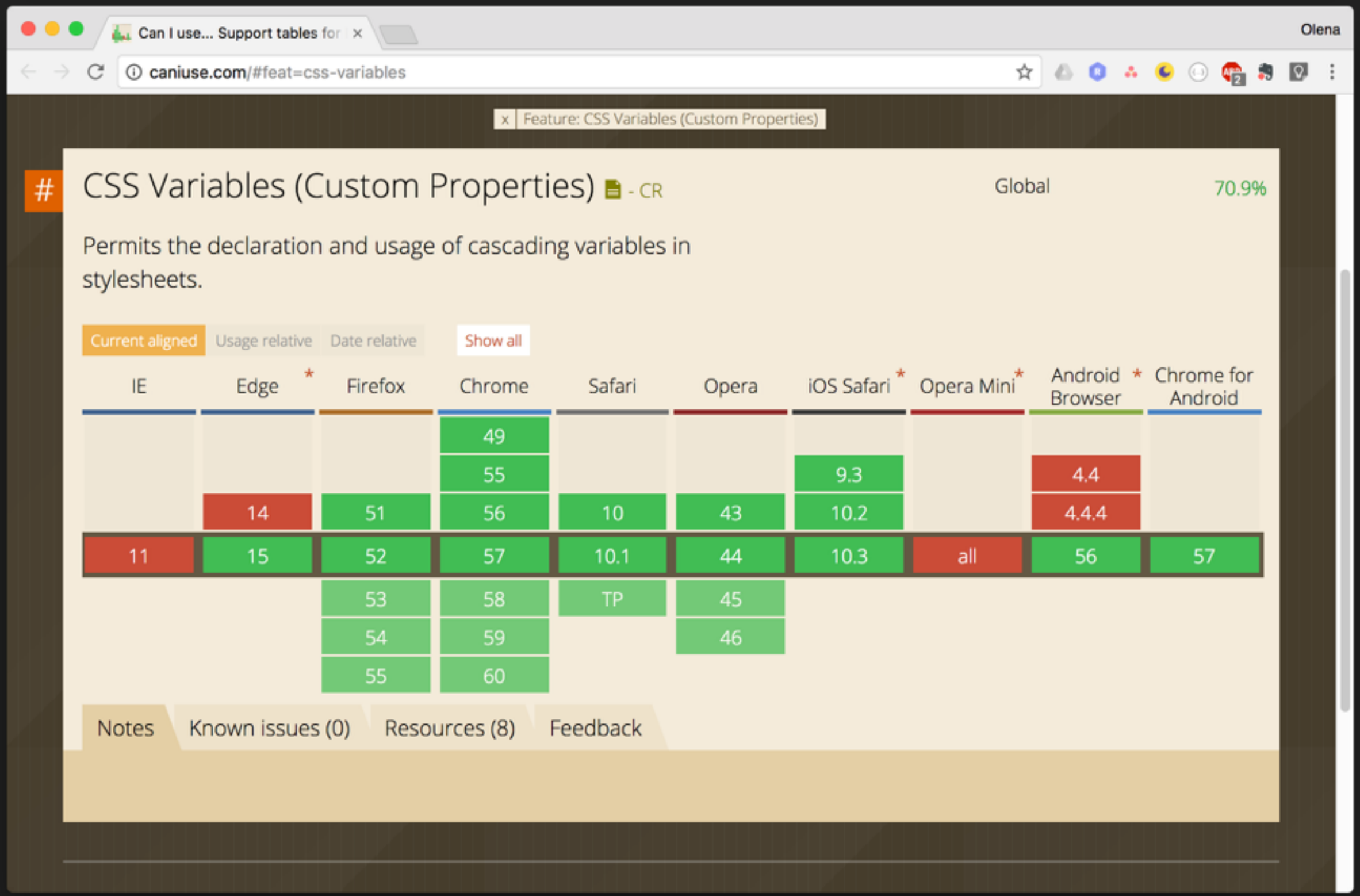


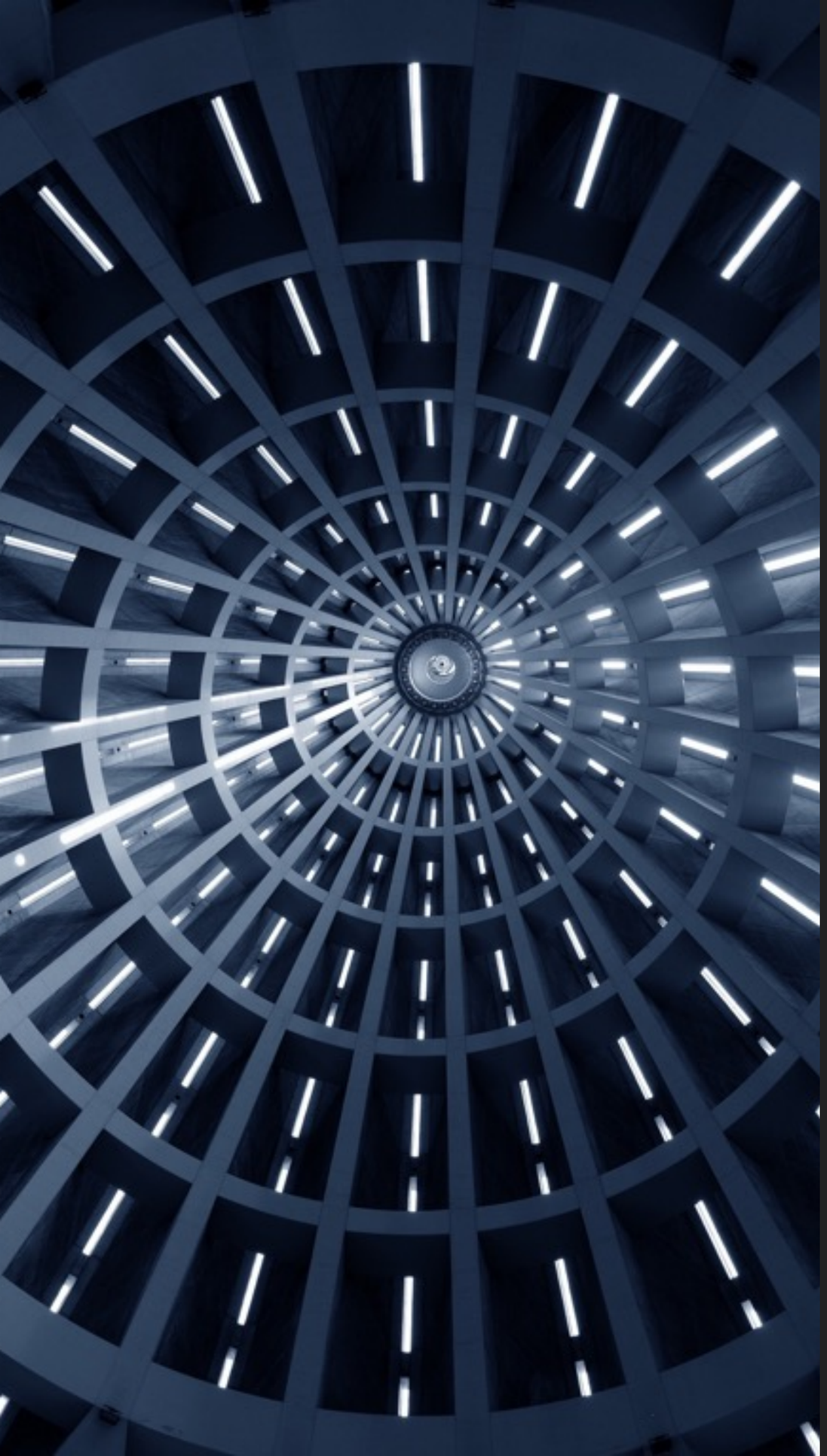
CSS VARIABLES JAVASCRIPT



BROWSER SUPPORT

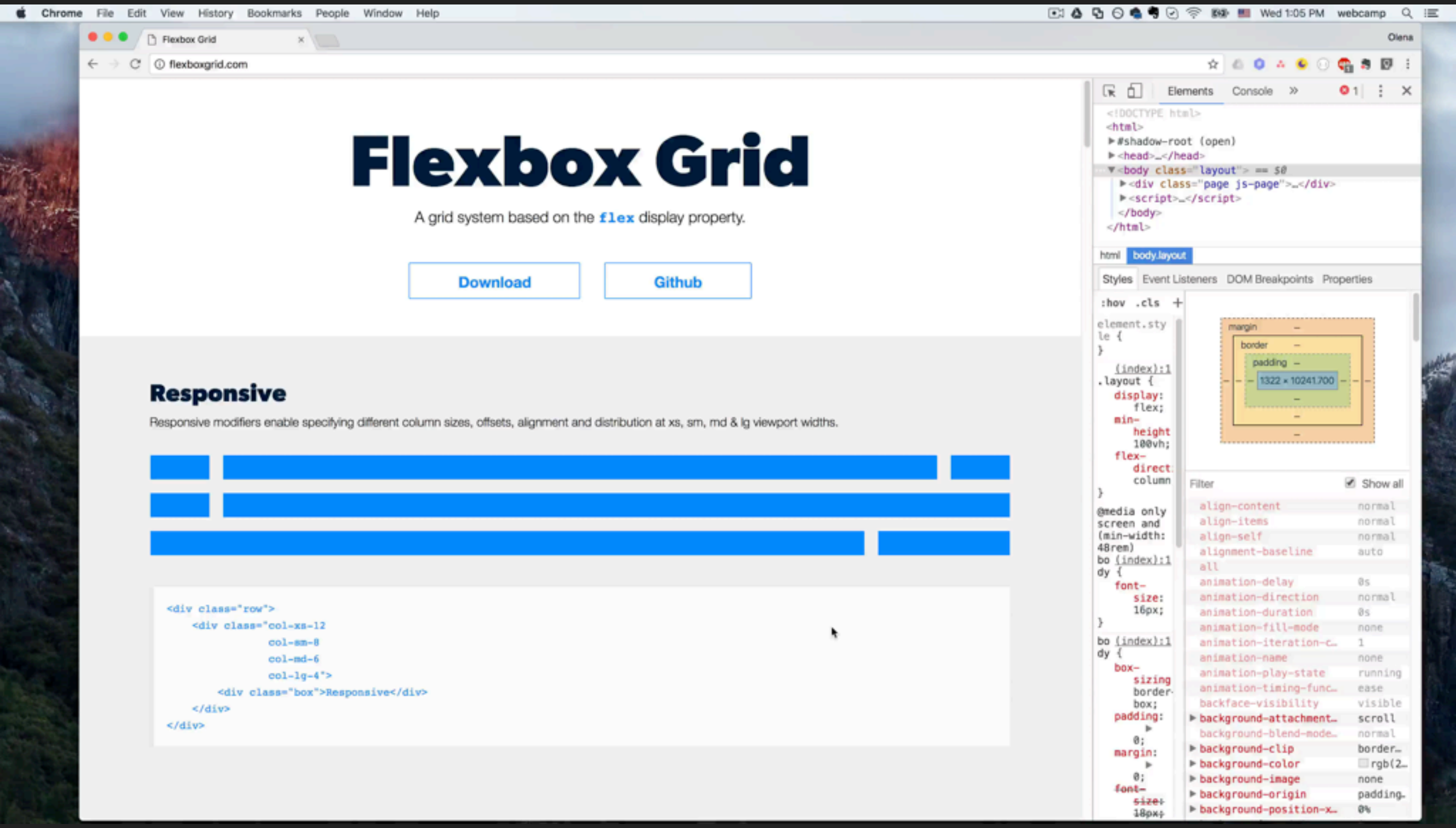
CSS VARIABLES BROWSER SUPPORT



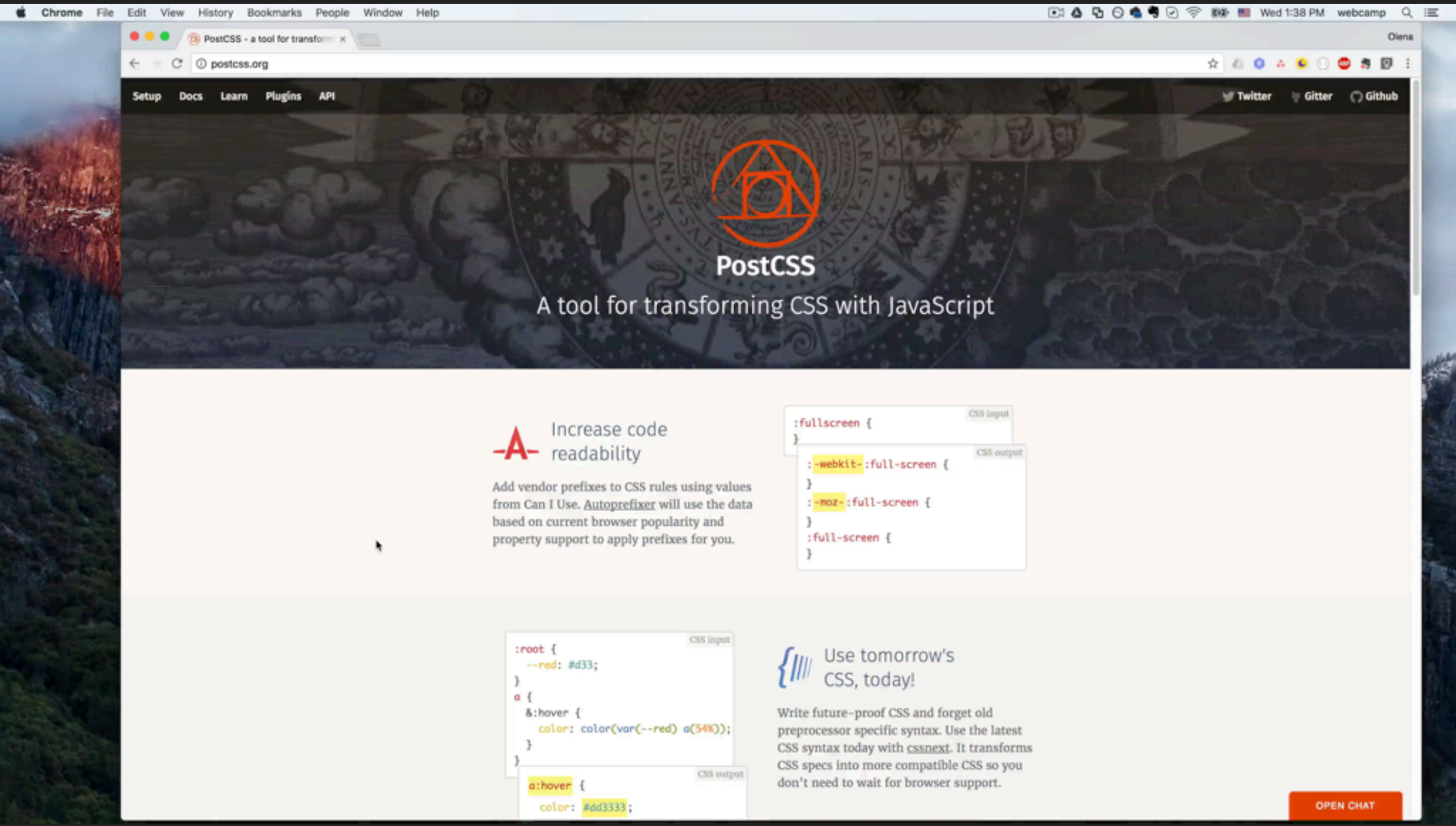


REAL PROJECT

CSS VARIABLES IN LIBRARIES



CSS VARIABLES IN LIBRARIES



HTTPS://GITHUB.COM/WEBCAMP-UA/KHARKIV-CSS