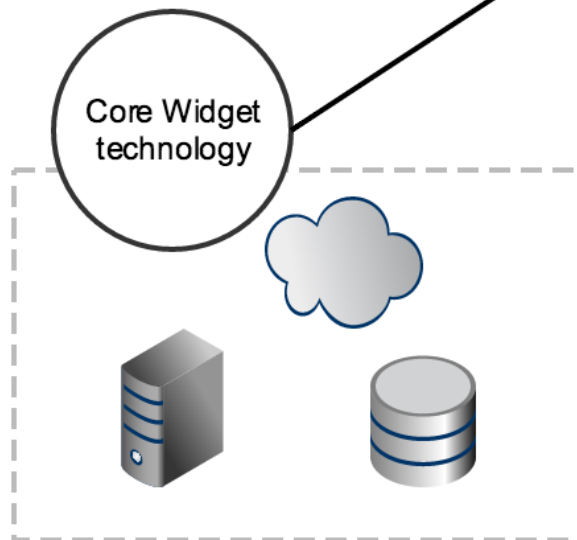


# WHITE LABEL PROJECT

SECURE YOUR CSS

WHAT IS "WHITE LABEL?"





Conditions:

- No iframe
- Independent from the 3-d party website
- Fast

AND THEN...

CSS

IS

AWESOME

- Wrapp our widget inside ID
- Add **!important** declarations to each of our rules
- Rename our classnames
- Whatever you can think about

Expected



Resulted





## 3-d party website styles:

```
button {  
    color: grey;  
    padding: 10px;  
    height: 30px;  
}
```

## Our styles:

```
#wl-wrapper button {  
    color: white !important;  
    padding: 5px !important;  
}
```

We need to reset all CSS rules to the default values

- **scoped** style attribute
- CSS3 **all** rule
- Cleanslate - reset all rules to initial values

<https://github.com/premasagar/cleanslate>

# scoped style rule

## Scoped CSS - UNOFF

Global

14.68%

Allows CSS rules to be scoped to part of the document, based on the position of the style element. The attribute has been **removed** from the **current specification**.

Current aligned

Usage relative

Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
			49					4.4	
8	13	47	51			9.2		4.4.4	
11	14	48	52	9.1	39	9.3	all	51	51
		49	53	10	40				
		50	54	TP	41				
		51	55						

Notes

Known issues (0)

Resources (6)

Feedback

MS Edge status: **Not currently planned**

Chrome status: **Removed**

<sup>1</sup> Enabled in Chrome through the "experimental Web Platform features" flag in chrome://flags

# CSS3 **all** rule

## CSS all property - CR

Global

71.03%

A shorthand property for resetting all CSS properties except for **direction** and **unicode-bidi**.

Current aligned

Usage relative

Show all

IE	Edge <sup>*</sup>	Firefox	Chrome	Safari	Opera	iOS Safari <sup>*</sup>	Opera Mini <sup>*</sup>	Android Browser <sup>*</sup>	Chrome for Android
			29						
			49					4.3	
			50					4.4	
8	13	47	51			9.2		4.4.4	
11	14	48	52	9.1	39	9.3	all	51	51
		49	53	10	40				
		50	54	TP	41				
		51	55						

Notes

Known issues (0)

Resources (7)

Feedback

MS Edge status: **Under Consideration**

# Cleanslate - reset all rules to initial values

<https://github.com/premasagar/cleanslate>

```
21
22  /* HTML 4.01 */
23  .cleanslate, .cleanslate h1, .cleanslate h2, .cleanslate h3, .cleanslate h4, .cleanslate h5, .cleanslate h6, .cleanslate p, .cleanslate a, .cleanslate ul, .cleanslate li, .cleanslate ol, .cleanslate table, .cleanslate tbody, .cleanslate tr, .cleanslate td, .cleanslate th, .cleanslate caption, .cleanslate form, .cleanslate input, .cleanslate button, .cleanslate select, .cleanslate textarea, .cleanslate div, .cleanslate span, .cleanslate img, .cleanslate video, .cleanslate audio, .cleanslate script, .cleanslate style, .cleanslate meta, .cleanslate link, .cleanslate title, .cleanslate base, .cleanslate head, .cleanslate body, .cleanslate html {
24
25  /* HTML5 - Sept 2013 taken from MDN https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/HTML5/HTML5_element_list */
26  .cleanslate article, .cleanslate aside, .cleanslate figure, .cleanslate figcaption, .cleanslate footer, .cleanslate header, .cleanslate h1, .cleanslate h2, .cleanslate h3, .cleanslate h4, .cleanslate h5, .cleanslate h6, .cleanslate p, .cleanslate a, .cleanslate ul, .cleanslate li, .cleanslate ol, .cleanslate table, .cleanslate tbody, .cleanslate tr, .cleanslate td, .cleanslate th, .cleanslate caption, .cleanslate form, .cleanslate input, .cleanslate button, .cleanslate select, .cleanslate textarea, .cleanslate div, .cleanslate span, .cleanslate img, .cleanslate video, .cleanslate audio, .cleanslate script, .cleanslate style, .cleanslate meta, .cleanslate link, .cleanslate title, .cleanslate base, .cleanslate head, .cleanslate body, .cleanslate html {
27      background-attachment:scroll !important;
28      background-color:transparent !important;
29      background-image:none !important; /* This rule affects the use of pngfix JavaScript http://dillerdesign.com/experiment/DD_B
30      background-position:0 0 !important;
31      background-repeat:repeat !important;
32      border-color:black !important;
33      border-color:currentColor !important; /* `border-color` should match font color. Modern browsers (incl. IE9) allow the use
34      border-radius:0 !important;
35      border-style:none !important;
36      border-width:medium !important;
37      bottom:auto !important;
38      clear:none !important;
39      clip:auto !important;
40      color:inherit !important;
41      counter-increment:none !important;
42      counter-reset:none !important;
43      cursor:auto !important;
44      direction:inherit !important;
45      display:inline !important;
46      float:none !important;
47      font-family: inherit !important; /* As with other inherit values, this needs to be set on the root container element */
48      font-size: inherit !important;
49      font-style:inherit !important;
50      font-variant:normal !important;
```

BUT...

# 3-d party modules



```
#m-wl :not(.disable-cleanslate) h1
```



```
#m-wl :not(.disable-cleanslate) h1
```

# CSS inheritance map

**3-d party website**



**Cleanslate (without !important)**



**Widget's CSS**



**3-d party modules styles**

Wrapper #m-wl

# CSS selectors specificity

CSS selectors specificity

Looks like this?



But that is actually works



THANK YOU :)

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