



Style Validator

CSS Validation in the Browser

Igari Takeharu



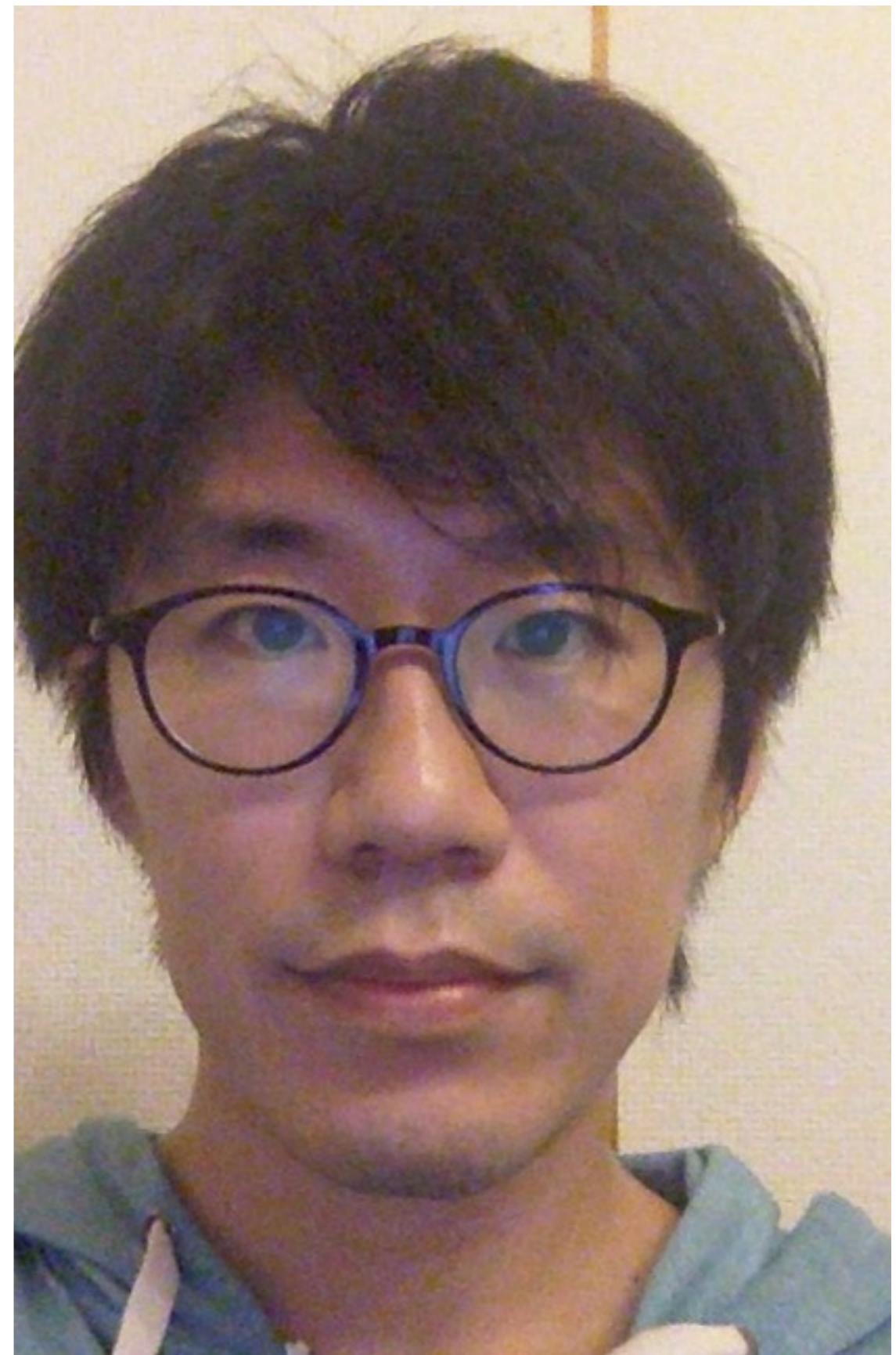


Takeharu Igari

Front-end Engineer

from Japan Production Company

that called “Lei Hau’oli”



I'm very sorry for that I can't listen English very well.

A photograph of a dark, rocky landscape at night. In the center-left, a person stands on a rocky outcrop, their silhouette stark against the bright, colorful sky above. The sky is filled with stars and a vibrant, multi-colored nebula or galaxy, transitioning from deep purple at the top to orange and yellow near the horizon. The foreground is dark and textured with rocks and low-lying plants.

What's the Problems?

W3C CSS Validator

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The W3C CSS Validation Service

W3C CSS Validator results for <http://www.leihauoli.com> (CSS level 3)

Jump to: [Errors \(19\)](#) [Warnings \(54\)](#) [Validated CSS](#)

W3C CSS Validator results for <http://www.leihauoli.com> (CSS level 3)

Sorry! We found the following errors (19)

URI : <http://www.leihauoli.com/css/general.css>

391	.cf	Property zoom doesn't exist : 1
394	.pr	Parse Error *zoom: 1;
394	.pr	Parse Error }
406	.dib4b	Parse Error *display: inline;
406	*	Parse Error *zoom: 1;
406	*	Parse Error }
436	.zm1	Property zoom doesn't exist : 1
491	.b[data-text]:before	Value Error : content Parse Error attr(data-text)

URI : <http://www.leihauoli.com/css/common.css>

52		Unknown pseudo-element or pseudo-class ::selection [selection]
150	.bg-red	Property bordre-color doesn't exist : #ce5200
151	.bg-red-light	Property bordre-color doesn't exist : #f5d5b7

The lacks of Current CSS Validator

- Not Real-time (Not support for AJAX content)
- Can't validate after compute styles
- Can't validate combination of HTML tag and CSS styles

Computed Style is invisible

```
div {  
  position: absolute;  
}
```

```
<!-- This is NOT inline element -->  
<div style="display: inline;"></div>
```

```
var div = document.querySelector('div');  
getComputedStyle(div).getPropertyValue('display');//block NOT inline
```

In case of the Flexbox

```
div {  
  display: flex;  
}
```

```
<!-- This is NOT inline element -->  
<div>  
  <p style="display: inline;"></p>  
</div>
```

```
var p = document.querySelector('p');  
getComputedStyle(div).getPropertyValue('display');//block NOT inline
```

What's Invalid Style?

Little Example 1

```
tr {  
  margin-top: 30px; /*Invalid for display: table-row; */  
}  
div {  
  display: table;  
  padding: 30px; /*Invalid for display: table; */  
}  
span {  
  margin-bottom: 30px; /*Invalid for display: inline; */  
}
```

Little Example 2

```
<div>  
  <!-- No table parent -->  
  <div style="display: table-cell;"></div>  
  
  <!-- No flex parent -->  
  <div style="display: flex-grow;"></div>  
</div>
```

Invalid style gives you...

- Lazy patch for cross browser
- Interrupting creative thinking
- Loss of engineer's life

Solution



Style Validator

- Validation of computed style
- Validation of combination of HTML tag and CSS style.
- Real time validation
 - This track DOM modification (e.g. after insert DOM via AJAX)





Demonstration



Demo Page

no parent table-cell
no parent table-row
no parent table-row

[back to toppgae.](#) abbr

address

article

aside

b bdi bdo

blockquote

CSS Rendering Validator

Total: 18 / Error: 9 / Warn: 9

X

!	<html> display: block; vertical-align: bottom;	cssrv-0
×	<div> display: table-cell; display property of parent element is incorrect.(block)	cssrv-8
×	<p> display: table-row; margin: 16px 0px;	cssrv-9
×	<p> display: table-row; display property of parent element is incorrect.(block)	cssrv-9
!	<div> display: table-row-group; box-shadow: rgb(255, 0, 0) 0px 0px 20px 10px;	cssrv-10
×	<div> display: table-row-group; display property of parent element is incorrect.(block)	cssrv-10
!	<a> display: inline; line-height: 100px;	cssrv-11
!	<a> display: inline; text-align: center;	cssrv-11
!	<article> display: block; vertical-align: top;	cssrv-15
!	 display: inline; padding-top: 30px;	cssrv-18
!	<empty> Elements, display: inline-block; padding: 10px;	cssrv-22

The screenshot shows the Chrome DevTools Elements tab. The DOM tree is visible, with several nodes highlighted in yellow or blue. A node under the body element, which has the class "cssrv-error cssrv-selected", is highlighted in blue and contains the text "no parent table-cell". Another node under the body element, which has the class "cssrv-error", contains the text "parent table-row". The "Selected" element in the tree is also highlighted in blue. The "Styles" tab is active, showing the following CSS rules:

```
element.style {
  display: table-cell;
}

.cssrv- selected {
  -webkit-animation: selected 0.5s infinite alternate;
  -moz-animation: selected 0.5s infinite alternate;
  animation: selected 0.5s infinite alternate;
```

The "Properties" tab is also visible at the bottom of the DevTools panel.

A wide-angle photograph of a sunset over a calm sea. The sky is filled with horizontal clouds, transitioning from deep blue at the top to vibrant orange and yellow near the horizon. A single sailboat is visible on the right side of the frame. In the foreground, dark silhouettes of rocky cliffs are visible on both the left and right sides.

One more thing...

Open Source Project



- Style Validator needs the a lot of knowledge of work field engineers
- Finally, I wish that the Style Validator helps Engineer&Web&CSS.



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Style Validator

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Style-Validator

JavaScript 0 0

Updated 3 hours ago

Manage on Github

<https://github.com/style-validator/>

Everybody can edit rules

Validation Rules - View and Edit

Add RuleSave

Inline Element

```
base-styles {  
    display : inline ;  
}
```

== warning-styles ==

And if the following styles defined, alert as
WARNING

```
width : non-default ;  
or  
height : non-default ;  
or  
min-width: non-default ;  
or  
min-height: non-default ;  
or  
max-width: non-default ;  
or  
max-height: non-default ;  
or  
margin-top: non-0 ;  
or  
margin-bottom: non-0 ;  
or  
padding-top: over-0 ;  
or  
padding-bottom: over-0 ;  
or  
float: non-default ;  
or  
text-align: non-inherit ;
```

Table Row Element

```
base-styles {  
    display : table-row ;  
}
```

== error-styles ==

And if the following styles defined, alert as
ERROR

```
margin : over-0 ;  
or  
padding : over-0 ;  
or  
border-width: over-0 ;  
or  
position: non-default ;
```

== warning-styles ==

And if the following styles defined, alert as
WARNING

```
box-shadow : non-default ;  
or  
min-width: non-default ;  
or  
min-height: non-default ;  
or  
max-width: non-default ;  
or  
max-height: non-default ;
```

== parent-error-styles ==

Table Column Element

```
base-styles {  
    display : table-column-group ;  
}
```

== error-styles ==

And if the following styles defined, alert as
ERROR

```
margin : over-0 ;  
or  
position: non-default ;
```

== warning-styles ==

And if the following styles defined, alert as
WARNING

```
padding : over-0 ;  
or  
box-shadow : non-default ;  
or  
min-width: non-default ;  
or  
min-height: non-default ;  
or  
max-width: non-default ;  
or  
max-height: non-default ;
```

== parent-error-styles ==

And if the following styles defined, alert as

Flow of adding your rule

1. Fork Style Validator Repository
2. git clone
3. gulp
4. go to validation rules page and edit it
5. save rules
6. git push
7. pull request me

Thanks for your patient!

If you have any question...

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