My Contribution

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About less

- extending CSS language with

    - variables - semantic names for colors, values

    - mixins - include existing properties

    - functions - darker/lighter/inverse... color,

        custom "border-radius" for all browsers...

- purpose: make code more maintainable, themable and extendable
- on both server-side and client-side

Example

```less
@base: #f938ab;

.box-shadow(@style, @c) when (iscolor(@c)) {
  -webkit-box-shadow: @style @c;
  box-shadow:         @style @c;
}
.box-shadow(@style, @alpha: 50%) when (isnumber(@alpha)) {
  .box-shadow(@style, rgba(0, 0, 0, @alpha));
}
.box {
  color: saturate(@base, 5%);
  border-color: lighten(@base, 30%);
  div { .box-shadow(0 0 5px, 30%) }
}
```

...compile into:

```
.box {
  color: #fe33ac;
  border-color: #fdcdea;
}
.box div {
  -webkit-box-shadow: 0 0 5px rgba(0, 0, 0, 0.3);
  box-shadow: 0 0 5px rgba(0, 0, 0, 0.3);
}
```

My Contribution

- Fixing bug: **Hex code with "call" in it's string results in wrong hex output #1015**

```
@brandLinkHover: #DCALLB;

a:hover {
    color: @brandLinkHover;
}
```

Results in:

```
a:hover {
    color: #ddccaa llb;
}
```

Synchro Collaborator
commented
a year ago

Why you would have an L
in a hex code I don't know,
but that's a brilliant bug!

Labels

Bug

Low Priority

ReadyForImpleme...

Solution

- Identify incorrect HEX code using regular expression and throw error when found

```
if (input.charAt(i) === '#' && (rgb = $re(/^#([A-Fa-f0-9]{6}|[A
    if (rgb[1].length === 3) {
        var followingCharacter = rgb.input.substring(4,5);
        if (followingCharacter.match(/[A-Za-z]{1}/)) {
            error("Some characters in HEX code are not valid. (
        }
    }
    var colorCandidateString = rgb.input.match(/^#([\w]+).*/);
    colorCandidateString = colorCandidateString[1];
    if (!colorCandidateString.match(/^[A-Fa-f0-9]+$/)) { // ver
        error("Invalid HEX color code");
    }
    return new(tree.Color)(rgb[1]);
}
```

Verified in tests

3 ■■■□□ test/less/errors/color-invalid-hex-code2.less

```
... ...    @@ -0,0 +1,3 @@
    1      +.a {
    2      +    @wrongHEXColorCode: #fffblack;
    3      +} ⊘↵
```

4 ■■■■□ test/less/errors/color-invalid-hex-code2.txt

```
... ...    @@ -0,0 +1,4 @@
    1      +SyntaxError: Invalid HEX color code in {path
    2      +1 .a {
    3      +2    @wrongHEXColorCode: #fffblack;
    4      +3 }
```

Pull Request

- Comments on similar problems
  in new prepared version
  (considerations for reusing in other parts)

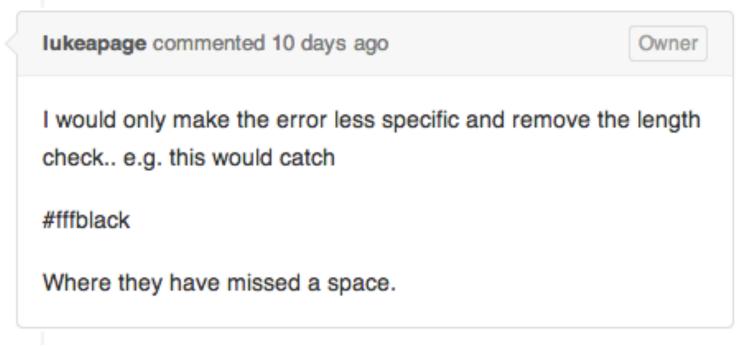**seven-phases-max** commented   Collaborator
a month ago

I have fixed the similar problems of `color`
function in `3322609`. Probably we should
consider to re-use the same code somehow as
there're more issues than just "incorrect
characters". See [6] examples in #1604.

Pull Request

- Chief maintainer asked for some small fix

lukeapage commented 10 days ago   Owner

I would only make the error less specific and remove the length
check.. e.g. this would catch

#fffblack

Where they have missed a space.

Pull Request

- Now ready according to comments.

- [Not yet accepted](#)

Lessons Learned

- Grunt

  - perfect for automating tasks

    around web front-end

    (configuration over scripting)

  - compile css, uglify, minify,

  - image optimiz, testing code

- Testing Javascript

- Debuging Javascript (chrome inspector breakpoints)

Thank you.