

Converting Colors

CIELCh(53, 91.744, 43.210)

Have a look what the booklet for
CIELCh(53, 91.744, 43.210) contains.

CIELCh(53, 91.714, 43.194)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 91.714, 43.194)

Conversions

Conversions Part 1

Format	Color
Hex	EE380A
RGB	238, 56, 10
RGB Percent	93%, 22%, 4%
CMY	0.0664, 0.7801, 0.9605
CMYK	0.00, 0.76, 0.96, 0.07
HSL	12°, 92%, 49%
HSV	12°, 96%, 93%
XYZ	36.7556, 21.0462, 2.4146
YIQ	105.1740, 123.2380, 24.2780

Conversions

Conversions Part 2

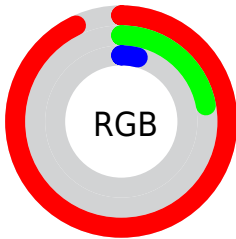
Format	Color
RYB	238, 68, 10
Decimal	15611914
CIELab	53.00, 66.86, 62.78
CIELCh	53, 91.714, 43.194
Yxy	21.0462, 0.6104, 0.3495
Android (android.graphics.Color)	4293801994 (0xFFEE380A)
YUV	105.1740, -46.9208, 116.4884
Hunter-Lab	45.8761, 62.7297, 28.9927

Details

The CIELCh color **53, 91.714, 43.194** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **72, 41.437, 234.988**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.991, 46.534**, and **36, 77.749, 39.913** is the 20% darker color. If you saturate the color by 10%, you get **52, 94.636, 43.172**, and if you desaturate by 10%, it is **55, 83.065, 42.994**.

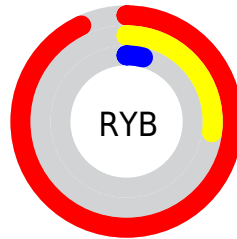
Distribution



Red (93%)

Green (22%)

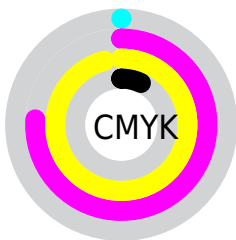
Blue (4%)



Red (93%)

Yellow (27%)

Blue (4%)

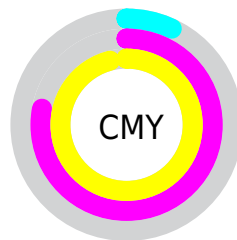


Cyan (0%)

Magenta (76%)

Yellow (96%)

Black (7%)



Cyan (7%)

Magenta (78%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 91.714, 43.194 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 53, 91.714, 43.194 by changing the saturation by 10% instead.

 53, 91.714, 43.194

 53, 91.714, 43.194

 100, 91.714,
43.194

 43, 91.714, 43.194

 73, 91.714, 43.194

 33, 91.714, 43.194

 83, 91.714, 43.194

 23, 91.714, 43.194

 93, 91.714, 43.194

 13, 91.714, 43.194

 3, 91.714, 43.194

 0, 91.714, 43.194

 53, 91.714, 43.194

 53, 91.714, 43.194

 52, 94.636, 43.172

 55, 83.065, 42.994

 59, 72.301, 42.108

62, 61.006, 41.152

66, 49.928, 40.370

71, 39.394, 39.823

76, 29.539, 39.499

81, 20.403, 39.363

86, 11.971, 39.367

91, 4.200, 39.415

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53, 91.714, 43.194



72, 41.437, 234.988

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53, 91.714, 43.194



53, 91.714, 93.194



53, 91.714, 223.194



53, 91.714, 273.194

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



53, 91.711, 43.196



84, 24.626, 39.390



54, 93.557, 337.878



42, 17.205, 39.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53, 91.711, 43.196



56, 99.808, 43.085



74, 77.653, 79.324



47, 4.227, 39.409



40, 77.468, 43.568



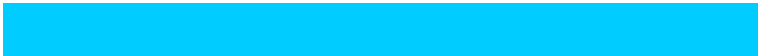
10, 26.182, 35.167

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72, 41.437, 234.988



76, 44.071, 236.822



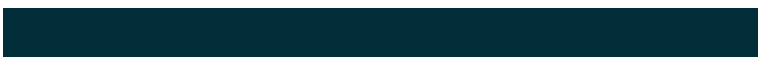
41, 94.921, 297.549



49, 3.984, 220.056



56, 34.358, 235.932



16, 14.861, 229.808

Previews

White Background



This preview shows how the CIELCh color 53, 91.714, 43.194 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 53, 91.714, 43.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 91.714, 43.194

Background



This preview shows how black text looks on a background with the CIELCh color 53, 91.714, 43.194.



This preview shows how white text looks on a background with the CIELCh color 53, 91.714, 43.194.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

53, 91.714, 43.194

Protanopia

53, 51.220, 95.148

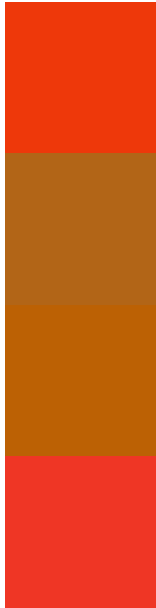
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 82.436, 33.378

Trichromacy



Original Color
53, 91.714, 43.194

Protanomaly
50, 58.702, 64.004

Deuteranomaly
51, 66.637, 61.483

Tritanomaly
53, 86.553, 38.082

Monochromacy



Original Color
53, 91.714, 43.194

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 33.429, 40.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 91.714, 43.194 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 56, 10)` looks like.

```
.text, #text, p{  
    color:rgb(238, 56, 10)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 56, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 56, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 91.714, 43.194 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 56, 10) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(238, 56, 10) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(238, 56, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 56, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 56, 10);  
box-shadow:4px 4px 4px 4px rgb(238, 56,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 91.714, 43.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 56, 10) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238, 56,  
10) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor