

Converting Colors

CIELCh(57, 81.185, 50.260)

Have a look what the booklet for
CIELCh(57, 81.185, 50.260) contains.

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Color

CIELCh(57, 81.281, 50.415)

Conversions

Conversions Part 1

Format	Color
Hex	E95C13
RGB	233, 92, 19
RGB Percent	91%, 36%, 7%
CMY	0.0875, 0.6402, 0.9268
CMYK	0.00, 0.61, 0.92, 0.09
HSL	20°, 85%, 49%
HSV	20°, 92%, 91%
XYZ	37.4171, 24.9227, 3.4391
YIQ	125.8370, 107.4690, 7.1890

Conversions

Conversions Part 2

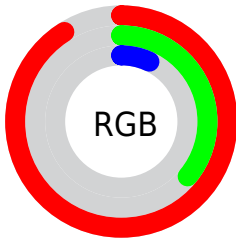
Format	Color
R_{YB}	233, 130, 19
Decimal	15293459
CIE _{Lab}	57.00, 51.79, 62.64
CIE _{LCh}	57, 81.281, 50.415
Yxy	24.9227, 0.5688, 0.3789
Android (android.graphics.Color)	4293483539 (0xFFE95C13)
YUV	125.8370, -52.6706, 93.9820
Hunter-Lab	49.9226, 46.4215, 30.8614

Details

The CIELCh color **57, 81.281, 50.415** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **63, 46.838, 260.165**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.077, 57.436**, and **37, 72.536, 43.893** is the 20% darker color. If you saturate the color by 10%, you get **55, 86.708, 49.044**, and if you desaturate by 10%, it is **60, 72.544, 51.513**.

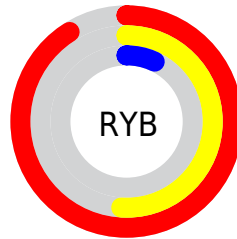
Distribution



Red (91%)

Green (36%)

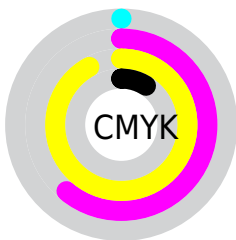
Blue (7%)



Red (91%)

Yellow (51%)

Blue (7%)

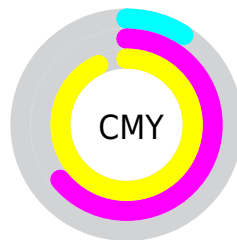


Cyan (0%)

Magenta (61%)

Yellow (92%)

Black (9%)



Cyan (9%)

Magenta (64%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 81.281, 50.415 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 57, 81.281, 50.415 by changing the saturation by 10% instead.

57, 81.281, 50.415

57, 81.281, 50.415

100, 81.281,
50.415

47, 81.281, 50.415

77, 81.281, 50.415

37, 81.281, 50.415

87, 81.281, 50.415

27, 81.281, 50.415

97, 81.281, 50.415

17, 81.281, 50.415

7, 81.281, 50.415

0, 81.281, 50.415

57, 81.281, 50.415

57, 81.281, 50.415

55, 86.708, 49.044

60, 72.544, 51.513

63, 62.528, 52.099

67, 52.308, 52.549

70, 42.401, 53.023

74, 33.022, 53.575

78, 24.242, 54.212

83, 16.060, 54.919

87, 8.444, 55.665

91, 1.345, 56.145

Harmonies

Complementary

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



57, 81.281, 50.415



63, 46.838, 260.165

Rectangle

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



57, 81.281, 50.415



57, 81.281, 100.415



57, 81.281, 230.415



57, 81.281, 280.415

Sweetspot

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



57, 81.278, 50.417



87, 22.538, 54.476



52, 83.883, 345.981



44, 15.811, 54.179



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 81.278, 50.417



60, 93.101, 48.865



80, 79.538, 91.536



47, 3.994, 55.850



43, 71.438, 49.628



11, 23.079, 45.009

Inverse Universe

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



63, 46.838, 260.165



66, 53.250, 264.559



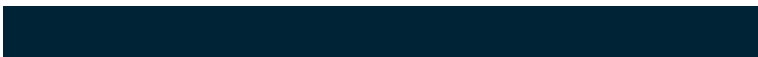
35, 106.298, 301.962



47, 3.815, 237.669



48, 40.627, 263.362



12, 15.994, 254.446

Previews

White Background



This preview shows how the CIELCh color 57, 81.281, 50.415 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 57, 81.281, 50.415 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 57, 81.281, 50.415

Background



This preview shows how black text looks on a background with the CIELCh color 57, 81.281, 50.415.



This preview shows how white text looks on a background with the CIELCh color 57, 81.281, 50.415.

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

57, 81.281, 50.415

Protanopia

57, 55.110, 95.777

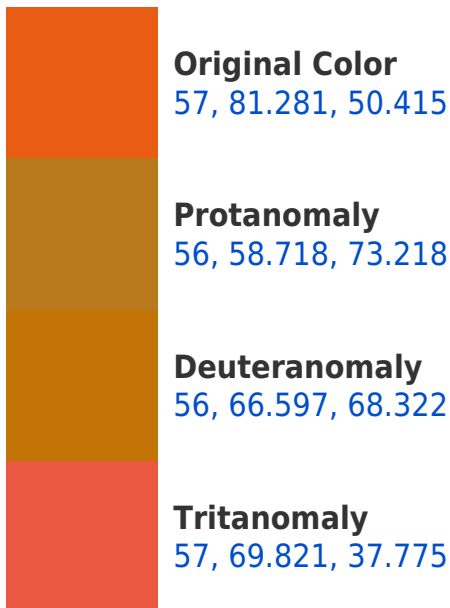
Deuteranopia

57, 62.730, 83.654

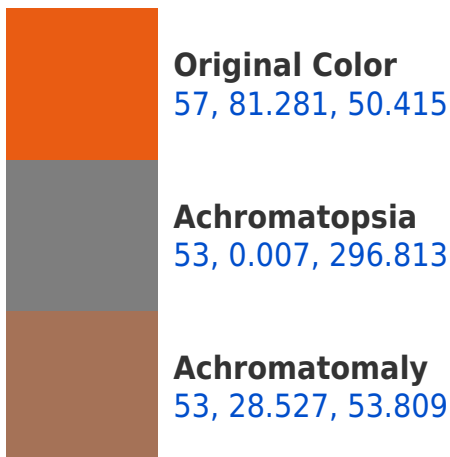


Tritanopia
57, 64.419, 26.266

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 81.281, 50.415 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(233, 92, 19)` looks like.

```
.text, #text, p{  
    color:rgb(233, 92, 19)  
}
```

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(233, 92, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 92, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 81.281, 50.415 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(233, 92, 19) }
```

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

```
.border{ border-color:rgb(233, 92, 19) }
```

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

Here you see how a box with a 4 pixel rgb(233, 92, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 92, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 92, 19);  
box-shadow:4px 4px 4px 4px rgb(233, 92,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 81.281, 50.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 92, 19) }
```

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

```
.background{ background-color: rgb(233, 92,  
19) }
```

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](#).

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