

Converting Colors

CIELCh(63, 81.707, 58.348)

Have a look what the booklet for
CIELCh(63, 81.707, 58.348) contains.

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Color

CIELCh(63, 81.578, 58.286)

Conversions

Conversions Part 1

Format	Color
Hex	F17508
RGB	241, 117, 8
RGB Percent	95%, 46%, 3%
CMY	0.0533, 0.5399, 0.9699
CMYK	0.00, 0.51, 0.97, 0.05
HSL	28°, 94%, 49%
HSV	28°, 97%, 95%
XYZ	42.8537, 31.5869, 4.0588
YIQ	141.6500, 108.8930, -7.6110

Conversions

Conversions Part 2

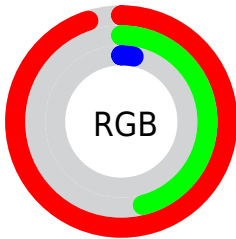
Format	Color
R_{YB}	241, 213, 8
Decimal	15824136
CIE _{Lab}	63.00, 42.88, 69.40
CIE _{LCh}	63, 81.578, 58.286
Yxy	31.5869, 0.5459, 0.4024
Android (android.graphics.Color)	4294014216 (0xFFFF17508)
YUV	141.6500, -65.8894, 87.1299
Hunter-Lab	56.2022, 37.7508, 35.0598

Details

The CIELCh color **63, 81.578, 58.286** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **55, 64.085, 280.251**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 64.911, 69.691**, and **43, 69.216, 51.184** is the 20% darker color. If you saturate the color by 10%, you get **62, 83.242, 57.435**, and if you desaturate by 10%, it is **66, 75.410, 60.799**.

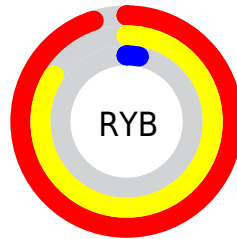
Distribution



Red (95%)

Green (46%)

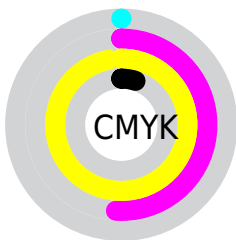
Blue (3%)



Red (95%)

Yellow (84%)

Blue (3%)

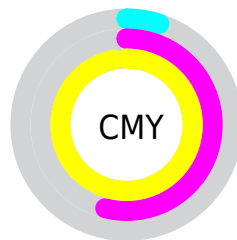


Cyan (0%)

Magenta (51%)

Yellow (97%)

Black (5%)



Cyan (5%)

Magenta (54%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 81.578, 58.286 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 63, 81.578, 58.286 by changing the saturation by 10% instead.

63, 81.578, 58.286

63, 81.578, 58.286

100, 81.578,
58.286

53, 81.578, 58.286

83, 81.578, 58.286

43, 81.578, 58.286

93, 81.578, 58.286

33, 81.578, 58.286

23, 81.578, 58.286

13, 81.578, 58.286

3, 81.578, 58.286

0, 81.578, 58.286

63, 81.578, 58.286

63, 81.578, 58.286

62, 83.242, 57.435

66, 75.410, 60.799

69, 67.031, 62.562

72, 57.639, 63.955

75, 48.036, 65.201

78, 38.626, 66.402

82, 29.587, 67.595

85, 20.980, 68.789

89, 12.811, 69.975

93, 5.057, 71.114

Harmonies

Complementary

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



63, 81.578, 58.286



55, 64.085, 280.251

Rectangle

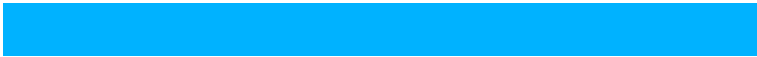
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 81.578, 58.286



63, 81.578, 108.286



63, 81.578, 238.286



63, 81.578, 288.286

Sweetspot

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



63, 81.575, 58.288



89, 23.865, 68.518



53, 81.489, 358.378



46, 16.565, 68.007



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 81.575, 58.288



65, 86.836, 57.314



91, 90.155, 100.777



48, 4.222, 70.824



48, 67.504, 58.141



13, 23.452, 57.986

Inverse Universe

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



55, 64.085, 280.251



57, 69.150, 281.871



31, 125.560, 305.776



48, 4.109, 253.274



41, 52.994, 280.848



11, 20.253, 272.871

Previews

White Background



This preview shows how the CIELCh color 63, 81.578, 58.286 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 81.578, 58.286 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 ✓ Pass

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

CIELCh 63, 81.578, 58.286

Background



This preview shows how black text looks on a background with the CIELCh color 63, 81.578, 58.286.



This preview shows how white text looks on a background with the CIELCh color 63, 81.578, 58.286.

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

63, 81.450, 58.223

Protanopia

63, 62.992, 95.215

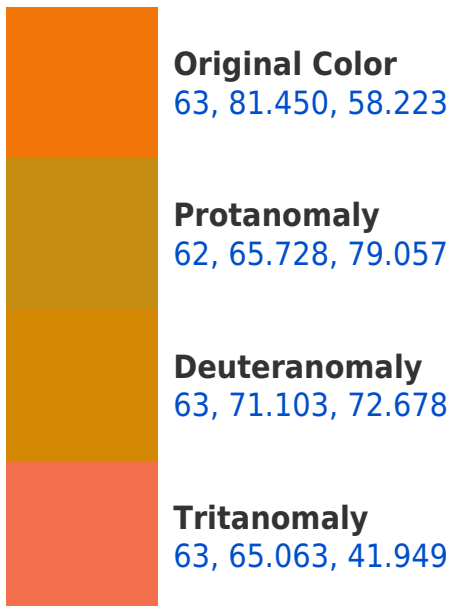
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 57.096, 22.292

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 81.578, 58.286 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(241, 117, 8)` looks like.

```
.text, #text, p{  
    color:rgb(241, 117, 8)  
}
```

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(241, 117, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 117, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 81.578, 58.286 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(241, 117, 8) }
```

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

```
.border{ border-color:rgb(241, 117, 8) }
```

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

Here you see how a box with a 4 pixel rgb(241, 117, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 117, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 117, 8);  
box-shadow:4px 4px 4px 4px rgb(241, 117,  
8) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 81.578, 58.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 117, 8) }
```

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

```
.background{ background-color: rgb(241,  
117, 8) }
```

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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