

Converting Colors

CIELCh(63, 81.846, 58.392)

Have a look what the booklet for
CIELCh(63, 81.846, 58.392) contains.

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Color

CIELCh(63, 81.707, 58.348)

Conversions

Conversions Part 1

Format	Color
Hex	F17507
RGB	241, 117, 7
RGB Percent	95%, 46%, 3%
CMY	0.0533, 0.5398, 0.9738
CMYK	0.00, 0.51, 0.97, 0.05
HSL	28°, 95%, 49%
HSV	28°, 97%, 95%
XYZ	42.8512, 31.5869, 4.0304
YIQ	141.5360, 109.2140, -7.9220

Conversions

Conversions Part 2

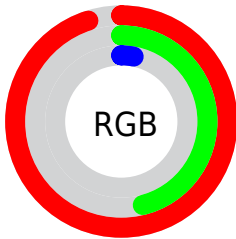
Format	Color
R_{YB}	241, 215, 7
Decimal	15824135
CIE Lab	63.00, 42.88, 69.55
CIE LCh	63, 81.707, 58.348
Yxy	31.5869, 0.5461, 0.4025
Android (android.graphics.Color)	4294014215 (0xFFFF17507)
YUV	141.5360, -66.3262, 87.2299
Hunter-Lab	56.2022, 37.7429, 35.0898

Details

The CIELCh color **63, 81.707, 58.348** 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, 64.644, 280.692**, 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, 83.153, 57.609**, and if you desaturate by 10%, it is **66, 75.668, 60.901**.

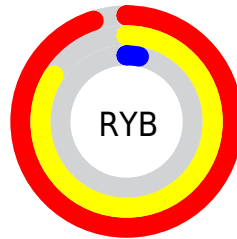
Distribution



Red (95%)

Green (46%)

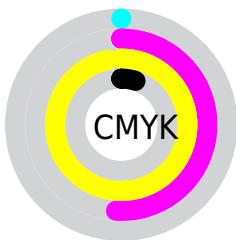
Blue (3%)



Red (95%)

Yellow (84%)

Blue (3%)

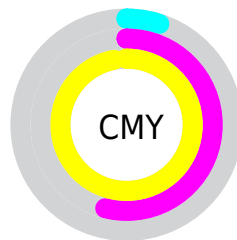


Cyan (0%)

Magenta (51%)

Yellow (97%)

Black (5%)



Cyan (5%)

Magenta (54%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 81.707, 58.348 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, 81.707, 58.348 by changing the saturation by 10% instead.

63, 81.707, 58.348

63, 81.707, 58.348

100, 81.707,
58.348

53, 81.707, 58.348

83, 81.707, 58.348

43, 81.707, 58.348

93, 81.707, 58.348

33, 81.707, 58.348

23, 81.707, 58.348

13, 81.707, 58.348

3, 81.707, 58.348

0, 81.707, 58.348

63, 81.707, 58.348

63, 81.707, 58.348

62, 83.153, 57.609

66, 75.668, 60.901

68, 67.383, 62.698

72, 58.034, 64.112

75, 48.442, 65.371

78, 39.027, 66.581

82, 29.972, 67.781

85, 21.346, 68.981

89, 13.154, 70.174

93, 5.376, 71.322

Harmonies

Complementary

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



63, 81.707, 58.348



55, 64.644, 280.692

Rectangle

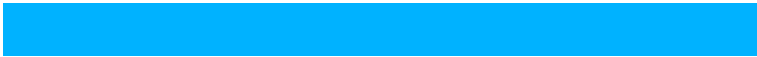
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 81.707, 58.348



63, 81.707, 108.348



63, 81.707, 238.348



63, 81.707, 288.348

Sweetspot

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



63, 81.704, 58.350



89, 23.886, 68.758



52, 81.517, 358.536



46, 16.578, 68.245



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, 81.704, 58.350



66, 86.740, 57.489



91, 90.224, 100.764



48, 4.227, 71.074



48, 67.433, 58.317



13, 23.446, 58.219

Inverse Universe

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



55, 64.644, 280.692



57, 69.472, 282.113



31, 125.780, 305.811



48, 4.116, 253.530



41, 53.238, 281.092



11, 20.332, 273.134

Previews

White Background



This preview shows how the CIELCh color 63, 81.707, 58.348 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, 81.707, 58.348 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, 81.707, 58.348

Background



This preview shows how black text looks on a background with the CIELCh color 63, 81.707, 58.348.



This preview shows how white text looks on a background with the CIELCh color 63, 81.707, 58.348.

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, 81.578, 58.286

Protanopia

63, 63.223, 95.218

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 57.096, 22.292

Trichromacy



Original Color
63, 81.578, 58.286

Protanomaly
62, 65.917, 79.103

Deuteranomaly
63, 71.244, 72.723

Tritanomaly
63, 65.063, 41.949

Monochromacy



Original Color
63, 81.578, 58.286

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 30.769, 66.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 81.707, 58.348 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(241, 117, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 117, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 81.707, 58.348 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, 7) }
```

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

```
.border{ border-color:rgb(241, 117, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 117, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 117, 7);  
box-shadow:4px 4px 4px 4px rgb(241, 117,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 81.707, 58.348 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, 7) }
```

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

```
.background{ background-color: rgb(241,  
117, 7) }
```

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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