

Converting Colors

CIELCh(57, 91.345, 47.748)

Have a look what the booklet for
CIELCh(57, 91.345, 47.748) contains.

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Color

CIELCh(57, 91.415, 47.735)

Conversions

Conversions Part 1

Format	Color
Hex	F54E00
RGB	245, 78, 0
RGB Percent	96%, 31%, 0%
CMY	0.0384, 0.6934, 0.9991
CMYK	0.00, 0.68, 1.00, 0.04
HSL	19°, 100%, 48%
HSV	19°, 100%, 96%
XYZ	40.4639, 24.9227, 2.6847
YIQ	119.0410, 124.5700, 11.1460

Conversions

Conversions Part 2

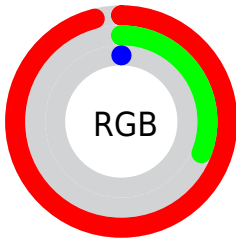
Format	Color
R_{YB}	245, 114, 0
Decimal	16076288
CIE _{Lab}	57.00, 61.48, 67.65
CIE _{LCh}	57, 91.415, 47.735
Yxy	24.9227, 0.5944, 0.3661
Android (android.graphics.Color)	4294266368 (0xFFFF54E00)
YUV	119.0410, -58.6872, 110.4660
Hunter-Lab	49.9226, 57.3154, 31.7574

Details

The CIELCh color **57, 91.415, 47.735** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **65, 49.430, 260.381**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 69.838, 54.384**, and **37, 80.154, 39.975** is the 20% darker color. If you saturate the color by 10%, you get **57, 91.480, 47.725**, and if you desaturate by 10%, it is **60, 84.068, 49.220**.

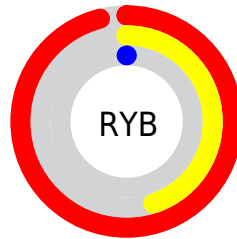
Distribution



Red (96%)

Green (31%)

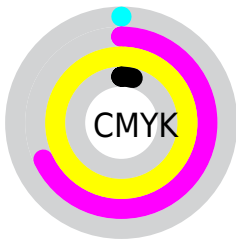
Blue (0%)



Red (96%)

Yellow (45%)

Blue (0%)

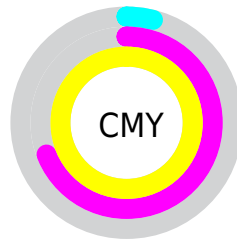


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 91.415, 47.735 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, 91.415, 47.735 by changing the saturation by 10% instead.

57, 91.415, 47.735

57, 91.415, 47.735

100, 91.415,
47.735

47, 91.415, 47.735

77, 91.415, 47.735

37, 91.415, 47.735

87, 91.415, 47.735

27, 91.415, 47.735

97, 91.415, 47.735

17, 91.415, 47.735

7, 91.415, 47.735

0, 91.415, 47.735

57, 91.415, 47.735

57, 91.415, 47.735

57, 91.480, 47.725

60, 84.068, 49.220

63, 74.367, 49.940

66, 63.613, 50.257

70, 52.818, 50.508

74, 42.443, 50.824

78, 32.672, 51.246

83, 23.559, 51.768

87, 15.093, 52.372

92, 7.234, 53.016

Harmonies

Complementary

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



57, 91.415, 47.735



65, 49.430, 260.381

Rectangle

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



57, 91.415, 47.735



57, 91.415, 97.735



57, 91.415, 227.735



57, 91.415, 277.735

Sweetspot

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



57, 91.412, 47.737



86, 24.414, 51.759



54, 88.380, 346.538



44, 16.930, 51.528



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, 91.412, 47.737



59, 94.311, 47.654



82, 83.455, 89.043



49, 4.140, 53.042



44, 73.920, 48.313



12, 25.856, 44.226

Inverse Universe

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



65, 49.430, 260.381



68, 51.010, 260.548



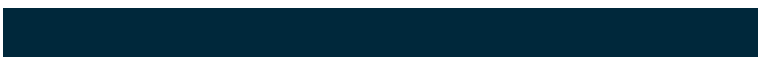
35, 117.165, 303.362



49, 3.941, 234.697



50, 39.842, 259.466



15, 16.593, 251.565

Previews

White Background



This preview shows how the CIELCh color 57, 91.415, 47.735 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, 91.415, 47.735 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, 91.415, 47.735

Background



This preview shows how black text looks on a background with the CIELCh color 57, 91.415, 47.735.



This preview shows how white text looks on a background with the CIELCh color 57, 91.415, 47.735.

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, 91.415, 47.735

Protanopia

57, 56.728, 95.324

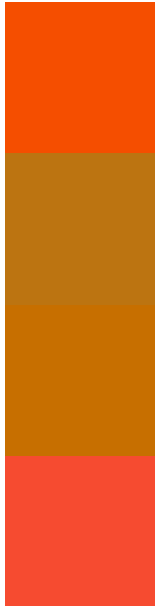
Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 75.690, 29.714

Trichromacy



Original Color
57, 91.415, 47.735

Protanomaly
55, 62.704, 69.753

Deuteranomaly
56, 69.371, 65.357

Tritanomaly
57, 82.275, 39.306

Monochromacy



Original Color
57, 91.415, 47.735

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 33.611, 50.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 91.415, 47.735 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(245, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 78, 0)  
}
```

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(245, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 78, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 91.415, 47.735 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(245, 78, 0) }
```

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

```
.border{ border-color:rgb(245, 78, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 78, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 91.415, 47.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 78, 0) }
```

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

```
.background{ background-color: rgb(245, 78,  
0) }
```

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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