

Converting Colors

CIELCh(61, 113.569, 68.178)

Have a look what the booklet for
CIELCh(61, 113.569, 68.178)
contains.

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Color

CIELCh(61, 81.592, 57.909)

Conversions

Conversions Part 1

Format	Color
Hex	EC7000
RGB	236, 112, 0
RGB Percent	93%, 44%, 0%
CMY	0.0764, 0.5623, 1.0000
CMYK	0.00, 0.53, 1.00, 0.08
HSL	28°, 100%, 46%
HSV	28°, 100%, 92%
XYZ	40.1761, 29.2481, 3.5069
YIQ	136.3080, 109.8560, -8.5440

Conversions

Conversions Part 2

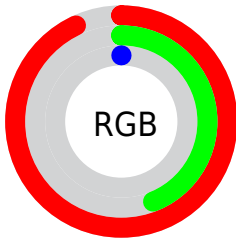
Format	Color
R_{YB}	236, 213, 0
Decimal	15495168
CIE _{Lab}	61.00, 43.35, 69.13
CIE _{LCh}	61, 81.592, 57.909
Yxy	29.2481, 0.5509, 0.4010
Android (android.graphics.Color)	4293685248 (0xFFEC7000)
YUV	136.3080, -67.1998, 87.4299
Hunter-Lab	54.0815, 37.9615, 34.0124

Details

The CIELCh color **61, 81.592, 57.909** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **52, 65.478, 282.162**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.273, 67.878**, and **41, 68.402, 50.182** is the 20% darker color. If you saturate the color by 10%, you get **61, 81.488, 57.861**, and if you desaturate by 10%, it is **64, 76.034, 60.520**.

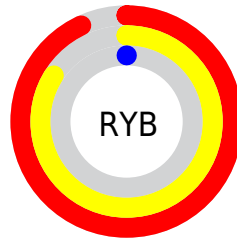
Distribution



Red (93%)

Green (44%)

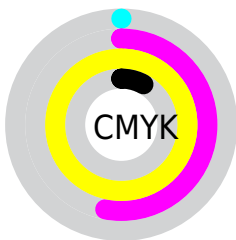
Blue (0%)



Red (93%)

Yellow (84%)

Blue (0%)

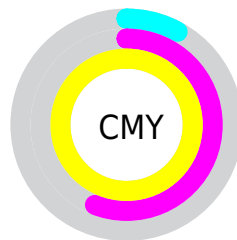


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 81.592, 57.909 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 61, 81.592, 57.909 by changing the saturation by 10% instead.

61, 81.592, 57.909

61, 81.592, 57.909

100, 81.592,
57.909

51, 81.592, 57.909

81, 81.592, 57.909

41, 81.592, 57.909

91, 81.592, 57.909

31, 81.592, 57.909

21, 81.592, 57.909

11, 81.592, 57.909

1, 81.592, 57.909

0, 81.592, 57.909

61, 81.592, 57.909

61, 81.592, 57.909

61, 81.488, 57.861

64, 76.034, 60.520

66, 68.417, 62.488

69, 59.458, 63.986

72, 50.083, 65.281

76, 40.792, 66.507

79, 31.816, 67.714

82, 23.243, 68.920

86, 15.094, 70.120

90, 7.354, 71.293

Harmonies

Complementary

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



61, 81.592, 57.909



52, 65.478, 282.162

Rectangle

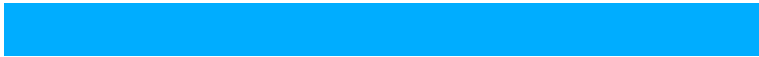
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 81.592, 57.909



61, 81.592, 107.909



61, 81.592, 237.909



61, 81.592, 287.909

Sweetspot

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



61, 81.488, 57.861



88, 24.799, 68.904



51, 80.217, 359.539



46, 17.109, 68.394



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 81.488, 57.861



66, 86.635, 57.684



88, 89.003, 100.677



47, 4.159, 71.354



48, 66.644, 58.553



13, 22.201, 58.144

Inverse Universe

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



52, 65.478, 282.162



56, 69.831, 282.379



30, 124.649, 305.991



47, 4.051, 253.811



41, 52.905, 281.311



10, 19.671, 272.903

Previews

White Background



This preview shows how the CIELCh color 61, 81.592, 57.909 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 61, 81.592, 57.909 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 61, 81.592, 57.909

Background



This preview shows how black text looks on a background with the CIELCh color 61, 81.592, 57.909.



This preview shows how white text looks on a background with the CIELCh color 61, 81.592, 57.909.

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

61, 81.592, 57.909

Protanopia

61, 61.730, 94.973

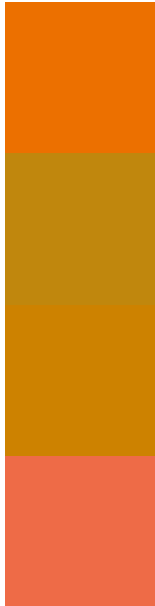
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 57.161, 23.031

Trichromacy



Original Color
61, 81.592, 57.909

Protanomaly
60, 64.971, 78.518

Deuteranomaly
61, 70.015, 72.338

Tritanomaly
61, 65.481, 42.501

Monochromacy



Original Color
61, 81.592, 57.909

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 31.084, 66.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 81.592, 57.909 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(236, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 112, 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(236, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 112, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 81.592, 57.909 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(236, 112, 0) }
```

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

```
.border{ border-color:rgb(236, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 112,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 81.592, 57.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 112, 0) }
```

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

```
.background{ background-color: rgb(236,  
112, 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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