

Converting Colors

CIELCh(61, 82.181, 57.458)

Have a look what the booklet for
CIELCh(61, 82.181, 57.458) contains.

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Color

CIELCh(61, 82.104, 57.414)

Conversions

Conversions Part 1

Format	Color
Hex	ED6F00
RGB	237, 111, 0
RGB Percent	93%, 44%, 0%
CMY	0.0720, 0.5658, 1.0000
CMYK	0.00, 0.53, 1.00, 0.07
HSL	28°, 100%, 46%
HSV	28°, 100%, 93%
XYZ	40.4567, 29.2481, 3.4979
YIQ	136.0200, 110.7270, -7.8090

Conversions

Conversions Part 2

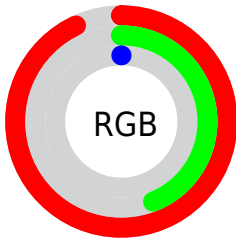
Format	Color
RYB	237, 209, 0
Decimal	15560448
CIELab	61.00, 44.22, 69.18
CIELCh	61, 82.104, 57.414
Yxy	29.2481, 0.5527, 0.3995
Android (android.graphics.Color)	4293750528 (0xFFED6F00)
YUV	136.0200, -67.0579, 88.5595
Hunter-Lab	54.0815, 38.8874, 34.0223

Details

The CIELCh color **61, 82.104, 57.414** 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 **53, 64.920, 281.526**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.259, 67.385**, and **41, 69.003, 49.726** is the 20% darker color. If you saturate the color by 10%, you get **61, 82.028, 57.380**, and if you desaturate by 10%, it is **64, 76.481, 60.017**.

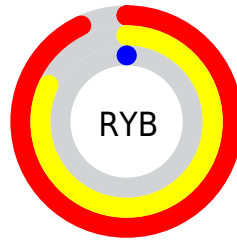
Distribution



Red (93%)

Green (44%)

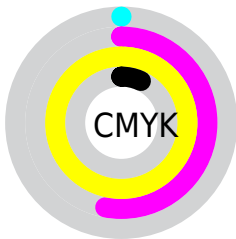
Blue (0%)



Red (93%)

Yellow (82%)

Blue (0%)

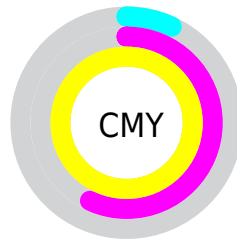


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 82.104, 57.414 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, 82.104, 57.414 by changing the saturation by 10% instead.

61, 82.104, 57.414

61, 82.104, 57.414

100, 82.104,
57.414

51, 82.104, 57.414

81, 82.104, 57.414

41, 82.104, 57.414

91, 82.104, 57.414

31, 82.104, 57.414

21, 82.104, 57.414

11, 82.104, 57.414

1, 82.104, 57.414

0, 82.104, 57.414

61, 82.104, 57.414

61, 82.104, 57.414

61, 82.028, 57.380

64, 76.481, 60.017

66, 68.760, 61.958

69, 59.708, 63.426

72, 50.258, 64.696

76, 40.908, 65.898

79, 31.886, 67.086

83, 23.281, 68.275

86, 15.111, 69.461

90, 7.358, 70.622

Harmonies

Complementary

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



61, 82.104, 57.414



53, 64.920, 281.526

Rectangle

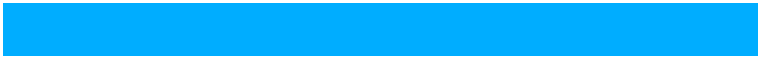
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 82.104, 57.414



61, 82.104, 107.414



61, 82.104, 237.414



61, 82.104, 287.414

Sweetspot

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



61, 82.028, 57.380



88, 24.743, 68.260



51, 80.506, 359.551



45, 17.074, 67.757



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, 82.028, 57.380



65, 86.891, 57.214



89, 89.326, 100.676



47, 4.145, 70.682



47, 66.829, 58.083



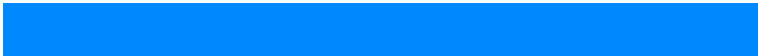
12, 22.214, 57.504

Inverse Universe

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



53, 64.920, 281.526



57, 68.965, 281.731



30, 125.110, 305.993



47, 4.034, 253.123



41, 52.259, 280.655



10, 19.467, 272.196

Previews

White Background



This preview shows how the CIELCh color 61, 82.104, 57.414 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, 82.104, 57.414 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, 82.104, 57.414

Background



This preview shows how black text looks on a background with the CIELCh color 61, 82.104, 57.414.



This preview shows how white text looks on a background with the CIELCh color 61, 82.104, 57.414.

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, 82.104, 57.414

Protanopia

61, 61.730, 94.973

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 58.038, 23.247

Trichromacy



Original Color
61, 82.104, 57.414

Protanomaly
60, 64.904, 78.010

Deuteranomaly
60, 70.037, 71.877

Tritanomaly
61, 66.411, 42.372

Monochromacy



Original Color
61, 82.104, 57.414

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 31.408, 65.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 82.104, 57.414 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(237, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 111, 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(237, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 111, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 82.104, 57.414 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(237, 111, 0) }
```

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

```
.border{ border-color:rgb(237, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 111,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 82.104, 57.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 111, 0) }
```

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

```
.background{ background-color: rgb(237,  
111, 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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