

Converting Colors

CIELCh(57, 74.667, 50.448)

Have a look what the booklet for
CIELCh(57, 74.667, 50.448) contains.

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Color

CIELCh(57, 74.705, 50.433)

Conversions

Conversions Part 1

Format	Color
Hex	E36121
RGB	227, 97, 33
RGB Percent	89%, 38%, 13%
CMY	0.1106, 0.6203, 0.8713
CMYK	0.00, 0.57, 0.86, 0.11
HSL	20°, 77%, 51%
HSV	20°, 86%, 89%
XYZ	36.1427, 24.9227, 4.3314
YIQ	128.5740, 98.0240, 7.6560

Conversions

Conversions Part 2

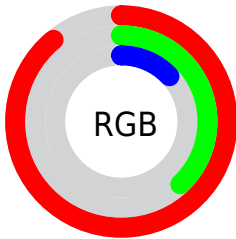
Format	Color
RYB	227, 129, 33
Decimal	14901537
CIELab	57.00, 47.59, 57.59
CIELCh	57, 74.705, 50.433
Yxy	24.9227, 0.5527, 0.3811
Android (android.graphics.Color)	4293091617 (0xFFE36121)
YUV	128.5740, -47.1180, 86.3196
Hunter-Lab	49.9226, 41.8648, 29.8017

Details

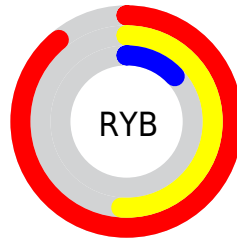
The CIELCh color **57, 74.705, 50.433** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **63, 43.078, 255.030**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 61.096, 56.764**, and **37, 69.070, 46.013** is the 20% darker color. If you saturate the color by 10%, you get **54, 82.577, 49.154**, and if you desaturate by 10%, it is **60, 65.066, 51.025**.

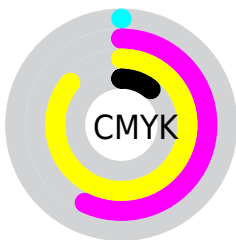
Distribution



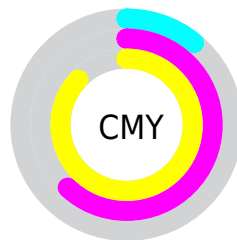
- Red (89%)
- Green (38%)
- Blue (13%)



- Red (89%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (57%)
- Yellow (86%)
- Black (11%)



- Cyan (11%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 74.705, 50.433 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, 74.705, 50.433 by changing the saturation by 10% instead.

57, 74.705, 50.433

57, 74.705, 50.433

100, 74.705,
50.433

47, 74.705, 50.433

77, 74.705, 50.433

37, 74.705, 50.433

87, 74.705, 50.433

27, 74.705, 50.433

97, 74.705, 50.433

17, 74.705, 50.433

7, 74.705, 50.433

0, 74.705, 50.433

57, 74.705, 50.433

57, 74.705, 50.433

54, 82.577, 49.154

60, 65.066, 51.025

53, 85.546, 48.482

63, 54.960, 51.392

67, 45.048, 51.758

71, 35.615, 52.202

75, 26.768, 52.741

79, 18.524, 53.365

83, 10.858, 54.048

88, 3.726, 54.710

92, 2.924, 235.828

Harmonies

Complementary

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



57, 74.705, 50.433



63, 43.078, 255.030

Rectangle

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



57, 74.705, 50.433



57, 74.705, 100.433



57, 74.705, 230.433



57, 74.705, 280.433

Sweetspot

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



57, 74.703, 50.436



88, 20.799, 53.323



52, 81.899, 343.581



45, 14.285, 53.098



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, 74.703, 50.436



60, 93.699, 48.256



78, 75.077, 91.095



45, 3.850, 54.470



42, 70.330, 49.076



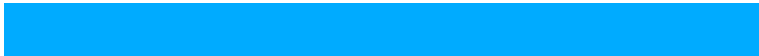
9, 20.642, 42.433

Inverse Universe

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



63, 43.078, 255.030



67, 52.116, 262.617



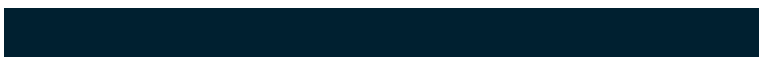
38, 94.930, 299.564



45, 3.673, 236.200



47, 38.913, 261.302



11, 14.683, 251.380

Previews

White Background



This preview shows how the CIELCh color 57, 74.705, 50.433 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, 74.705, 50.433 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, 74.705, 50.433

Background



This preview shows how black text looks on a background with the CIELCh color 57, 74.705, 50.433.



This preview shows how white text looks on a background with the CIELCh color 57, 74.705, 50.433.

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, 74.705, 50.433

Protanopia

57, 50.718, 95.662

Deuteranopia

57, 60.752, 82.837



Tritanopia
57, 59.604, 25.135

Trichromacy



Original Color
57, 74.705, 50.433

Protanomaly
56, 53.992, 73.969

Deuteranomaly
56, 63.468, 68.911

Tritanomaly
57, 63.902, 36.608

Monochromacy



Original Color
57, 74.705, 50.433

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 25.666, 53.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 74.705, 50.433 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(227, 97, 33)` looks like.

```
.text, #text, p{  
    color:rgb(227, 97, 33)  
}
```

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(227, 97, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 97, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 74.705, 50.433 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(227, 97, 33) }
```

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

```
.border{ border-color:rgb(227, 97, 33) }
```

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

Here you see how a box with a 4 pixel rgb(227, 97, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 97, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 97, 33);  
box-shadow:4px 4px 4px 4px rgb(227, 97,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 74.705, 50.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 97, 33) }
```

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

```
.background{ background-color: rgb(227, 97,  
33) }
```

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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