

Converting Colors

CIELCh(57, 72.487, 63.078)

Have a look what the booklet for
CIELCh(57, 72.487, 63.078) contains.

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Color

CIELCh(57, 72.610, 62.882)

Conversions

Conversions Part 1

Format	Color
Hex	D16F00
RGB	209, 111, 0
RGB Percent	82%, 44%, 0%
CMY	0.1804, 0.5647, 1.0000
CMYK	0.00, 0.47, 1.00, 0.18
HSL	32°, 100%, 41%
HSV	32°, 100%, 82%
XYZ	31.9771, 24.9227, 3.1250
YIQ	127.6480, 94.0390, -13.7450

Conversions

Conversions Part 2

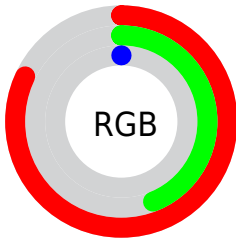
Format	Color
RYB	185, 209, 0
Decimal	13725440
CIELab	57.00, 33.10, 64.63
CIElCh	57, 72.610, 62.882
Yxy	24.9227, 0.5327, 0.4152
Android (android.graphics.Color)	4291915520 (0xFFD16F00)
YUV	127.6480, -62.9305, 71.3457
Hunter-Lab	49.9226, 26.9708, 31.2345

Details

The CIELCh color **57, 72.610, 62.882** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **43, 66.673, 287.361**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.988, 67.242**, and **37, 58.952, 54.656** is the 20% darker color. If you saturate the color by 10%, you get **57, 72.608, 62.884**, and if you desaturate by 10%, it is **59, 68.113, 65.566**.

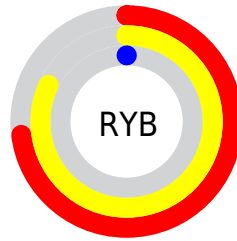
Distribution



Red (82%)

Green (44%)

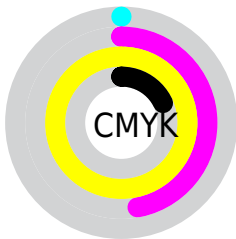
Blue (0%)



Red (73%)

Yellow (82%)

Blue (0%)

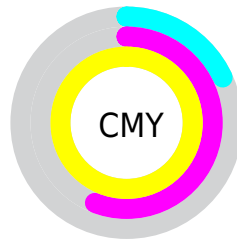


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 72.610, 62.882 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, 72.610, 62.882 by changing the saturation by 10% instead.

■ 57, 72.610, 62.882

■ 57, 72.610, 62.882

■ 100, 72.610,
62.882

■ 47, 72.610, 62.882

■ 77, 72.610, 62.882

■ 37, 72.610, 62.882

■ 87, 72.610, 62.882

■ 27, 72.610, 62.882

■ 97, 72.610, 62.882

■ 17, 72.610, 62.882

■ 7, 72.610, 62.882

■ 0, 72.610, 62.882

■ 57, 72.610, 62.882

■ 57, 72.610, 62.882

■ 57, 72.608, 62.884

■ 59, 68.113, 65.566

■ 62, 61.756, 67.680

64, 54.073, 69.361

67, 45.866, 70.836

69, 37.599, 72.220

72, 29.501, 73.562

75, 21.673, 74.879

78, 14.148, 76.170

81, 6.926, 77.419

Harmonies

Complementary

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



57, 72.610, 62.882



43, 66.673, 287.361

Rectangle

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



57, 72.610, 62.882



57, 72.610, 112.882



57, 72.610, 242.882



57, 72.610, 292.882

Sweetspot

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



57, 72.608, 62.884



89, 25.489, 74.834



45, 72.750, 4.000



46, 17.545, 74.274



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, 72.608, 62.884



69, 84.525, 62.421



81, 83.432, 103.894



43, 3.927, 77.490



46, 61.650, 63.495



9, 15.743, 62.499

Inverse Universe

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



43, 66.673, 287.361



52, 78.394, 287.892



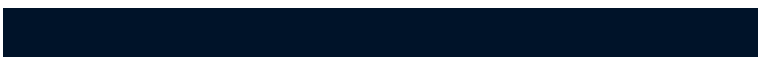
26, 115.092, 306.329



42, 3.860, 260.012



35, 55.868, 286.652



6, 16.883, 274.749

Previews

White Background



This preview shows how the CIELCh color 57, 72.610, 62.882 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, 72.610, 62.882 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, 72.610, 62.882

Background



This preview shows how black text looks on a background with the CIELCh color 57, 72.610, 62.882.



This preview shows how white text looks on a background with the CIELCh color 57, 72.610, 62.882.

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, 72.610, 62.882

Protanopia

57, 59.013, 95.357

Deuteranopia

57, 62.911, 83.253



Tritanopia
57, 46.965, 20.892

Trichromacy



Original Color
57, 72.610, 62.882

Protanomaly
57, 61.072, 81.416

Deuteranomaly
57, 65.349, 74.775

Tritanomaly
57, 55.169, 45.076

Monochromacy



Original Color
57, 72.610, 62.882

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 28.797, 73.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 72.610, 62.882 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(209, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 111, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 72.610, 62.882 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(209, 111, 0) }
```

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

```
.border{ border-color:rgb(209, 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(209, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 111,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 72.610, 62.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 111, 0) }
```

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

```
.background{ background-color: rgb(209,  
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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