

Converting Colors

CIELCh(61, 72.050, 68.607)

Have a look what the booklet for
CIELCh(61, 72.050, 68.607) contains.

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Color

CIELCh(61, 72.090, 68.587)

Conversions

Conversions Part 1

Format	Color
Hex	D57F02
RGB	213, 127, 2
RGB Percent	84%, 50%, 1%
CMY	0.1656, 0.5027, 0.9936
CMYK	0.00, 0.40, 0.99, 0.17
HSL	36°, 98%, 42%
HSV	36°, 99%, 83%
XYZ	34.9512, 29.2481, 3.8501
YIQ	138.4640, 91.3810, -20.6430

Conversions

Conversions Part 2

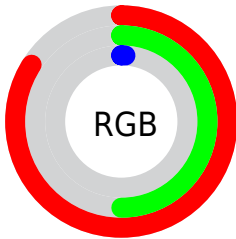
Format	Color
RYB	147, 213, 2
Decimal	13991682
CIELab	61.00, 26.32, 67.11
CIElCh	61, 72.090, 68.587
Yxy	29.2481, 0.5136, 0.4298
Android (android.graphics.Color)	4292181762 (0xFFD57F02)
YUV	138.4640, -67.2768, 65.3681
Hunter-Lab	54.0815, 20.7163, 33.6362

Details

The CIELCh color **61, 72.090, 68.587** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **41, 75.388, 292.022**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 66.259, 74.475**, and **41, 57.618, 61.755** is the 20% darker color. If you saturate the color by 10%, you get **61, 72.369, 68.388**, and if you desaturate by 10%, it is **63, 68.273, 71.257**.

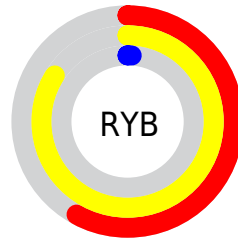
Distribution



Red (84%)

Green (50%)

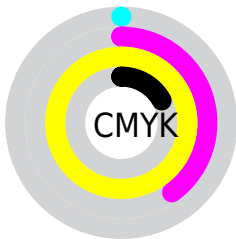
Blue (1%)



Red (58%)

Yellow (84%)

Blue (1%)

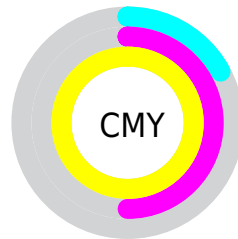


Cyan (0%)

Magenta (40%)

Yellow (99%)

Black (17%)



Cyan (17%)

Magenta (50%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 72.090, 68.587 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, 72.090, 68.587 by changing the saturation by 10% instead.

61, 72.090, 68.587

61, 72.090, 68.587

100, 72.090,
68.587

51, 72.090, 68.587

81, 72.090, 68.587

41, 72.090, 68.587

91, 72.090, 68.587

31, 72.090, 68.587

21, 72.090, 68.587

11, 72.090, 68.587

1, 72.090, 68.587

0, 72.090, 68.587

61, 72.090, 68.587

61, 72.090, 68.587

61, 72.369, 68.388

63, 68.273, 71.257

65, 62.367, 73.383

67, 54.978, 75.134

70, 46.894, 76.695

72, 38.600, 78.160

75, 30.353, 79.571

77, 22.278, 80.942

80, 14.426, 82.275

83, 6.812, 83.555

Harmonies

Complementary

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



61, 72.090, 68.587



41, 75.388, 292.022

Rectangle

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



61, 72.090, 68.587



61, 72.090, 118.587



61, 72.090, 248.587



61, 72.090, 298.587

Sweetspot

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



61, 72.088, 68.589



91, 26.526, 80.796



45, 73.680, 10.213



47, 18.216, 80.215



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, 72.088, 68.589



72, 83.027, 67.999



81, 84.821, 107.990



44, 4.213, 83.531



50, 61.386, 68.953



11, 17.399, 70.337

Inverse Universe

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



41, 75.388, 292.022



48, 88.117, 292.741



27, 115.926, 306.465



43, 4.176, 266.069



32, 63.522, 291.668



5, 19.485, 280.231

Previews

White Background



This preview shows how the CIELCh color 61, 72.090, 68.587 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, 72.090, 68.587 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, 72.090, 68.587

Background



This preview shows how black text looks on a background with the CIELCh color 61, 72.090, 68.587.



This preview shows how white text looks on a background with the CIELCh color 61, 72.090, 68.587.

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, 72.090, 68.587

Protanopia

61, 62.779, 94.989

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 41.431, 18.332

Trichromacy



Original Color
61, 72.090, 68.587

Protanomaly
61, 64.202, 84.138

Deuteranomaly
61, 67.681, 77.570

Tritanomaly
61, 50.101, 48.724

Monochromacy



Original Color
61, 72.090, 68.587

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 29.701, 79.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 72.090, 68.587 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(213, 127, 2)` looks like.

```
.text, #text, p{  
    color:rgb(213, 127, 2)  
}
```

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(213, 127, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 127, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 72.090, 68.587 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(213, 127, 2) }
```

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

```
.border{ border-color:rgb(213, 127, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 127, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 127, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 127, 2);  
box-shadow:4px 4px 4px 4px rgb(213, 127,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 72.090, 68.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 127, 2) }
```

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

```
.background{ background-color: rgb(213,  
127, 2) }
```

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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