

Converting Colors

CIELCh(61, 72.717, 67.531)

Have a look what the booklet for
CIELCh(61, 72.717, 67.531) contains.

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Color

CIELCh(61, 72.748, 67.620)

Conversions

Conversions Part 1

Format	Color
Hex	D77E01
RGB	215, 126, 1
RGB Percent	84%, 49%, 0%
CMY	0.1582, 0.5070, 0.9944
CMYK	0.00, 0.41, 0.99, 0.16
HSL	35°, 99%, 42%
HSV	35°, 99%, 84%
XYZ	35.3566, 29.2481, 3.8229
YIQ	138.3610, 93.1690, -20.0070

Conversions

Conversions Part 2

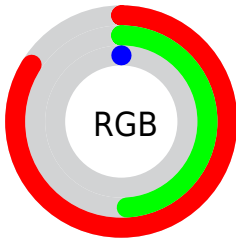
Format	Color
R _Y B	153, 215, 1
Decimal	14122497
CIE Lab	61.00, 27.70, 67.27
CIE LCh	61, 72.748, 67.620
Yxy	29.2481, 0.5167, 0.4274
Android (android.graphics.Color)	4292312577 (0xFFD77E01)
YUV	138.3610, -67.7190, 67.2124
Hunter-Lab	54.0815, 22.0541, 33.6660

Details

The CIELCh color **61, 72.748, 67.620** 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 **42, 74.644, 291.356**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 66.551, 74.118**, and **41, 58.482, 60.637** is the 20% darker color. If you saturate the color by 10%, you get **61, 72.999, 67.446**, and if you desaturate by 10%, it is **63, 68.815, 70.318**.

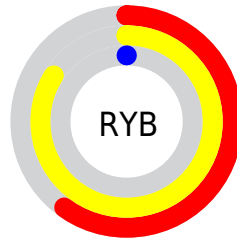
Distribution



Red (84%)

Green (49%)

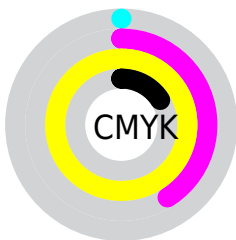
Blue (0%)



Red (60%)

Yellow (84%)

Blue (0%)

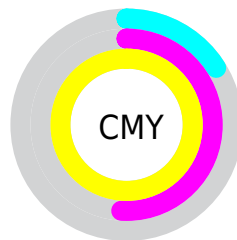


Cyan (0%)

Magenta (41%)

Yellow (99%)

Black (16%)



Cyan (16%)

Magenta (51%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 72.748, 67.620 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, 72.748, 67.620 by changing the saturation by 10% instead.

61, 72.748, 67.620

61, 72.748, 67.620

100, 72.748,
67.620

51, 72.748, 67.620

81, 72.748, 67.620

41, 72.748, 67.620

91, 72.748, 67.620

31, 72.748, 67.620

21, 72.748, 67.620

11, 72.748, 67.620

1, 72.748, 67.620

0, 72.748, 67.620

61, 72.748, 67.620

61, 72.748, 67.620

61, 72.999, 67.446

63, 68.815, 70.318

65, 62.792, 72.456

68, 55.294, 74.207

70, 47.120, 75.763

73, 38.758, 77.222

75, 30.464, 78.628

78, 22.358, 79.997

80, 14.492, 81.328

83, 6.877, 82.607

Harmonies

Complementary

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



61, 72.748, 67.620



42, 74.644, 291.356

Rectangle

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



61, 72.748, 67.620



61, 72.748, 117.620



61, 72.748, 247.620



61, 72.748, 297.620

Sweetspot

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



61, 72.746, 67.622



90, 26.339, 79.866



46, 74.072, 8.663



47, 18.094, 79.287



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, 72.746, 67.622



71, 83.207, 67.071



82, 85.257, 106.982



44, 4.176, 82.596



49, 61.497, 68.041



11, 17.327, 69.167

Inverse Universe

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



42, 74.644, 291.356



49, 86.526, 292.025



27, 116.859, 306.411



43, 4.134, 265.138



33, 62.378, 290.934



6, 19.245, 279.582

Previews

White Background



This preview shows how the CIELCh color 61, 72.748, 67.620 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, 72.748, 67.620 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, 72.748, 67.620

Background



This preview shows how black text looks on a background with the CIELCh color 61, 72.748, 67.620.



This preview shows how white text looks on a background with the CIELCh color 61, 72.748, 67.620.

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, 72.893, 67.675

Protanopia

61, 62.585, 94.986

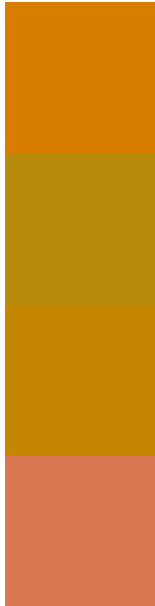
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 42.725, 18.709

Trichromacy



Original Color
61, 72.893, 67.675

Protanomaly
61, 64.202, 84.138

Deuteranomaly
61, 67.911, 77.229

Tritanomaly
61, 51.419, 48.155

Monochromacy



Original Color
61, 72.893, 67.675

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 29.934, 78.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 72.748, 67.620 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(215, 126, 1)` looks like.

```
.text, #text, p{  
    color:rgb(215, 126, 1)  
}
```

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(215, 126, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 126, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 72.748, 67.620 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(215, 126, 1) }
```

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

```
.border{ border-color:rgb(215, 126, 1) }
```

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

Here you see how a box with a 4 pixel rgb(215, 126, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 126, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 126, 1);  
box-shadow:4px 4px 4px 4px rgb(215, 126,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 72.748, 67.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 126, 1) }
```

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

```
.background{ background-color: rgb(215,  
126, 1) }
```

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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