

Converting Colors

CIELCh(59, 75.096, 73.903)

Have a look what the booklet for
CIELCh(59, 75.096, 73.903) contains.

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Color

CIELCh(59, 68.749, 72.002)

Conversions

Conversions Part 1

Format	Color
Hex	C87E00
RGB	200, 126, 0
RGB Percent	78%, 49%, 0%
CMY	0.2176, 0.5075, 1.0000
CMYK	0.00, 0.37, 1.00, 0.22
HSL	38°, 100%, 39%
HSV	38°, 100%, 78%
XYZ	31.0932, 27.0277, 3.5554
YIQ	133.7620, 84.5500, -23.4980

Conversions

Conversions Part 2

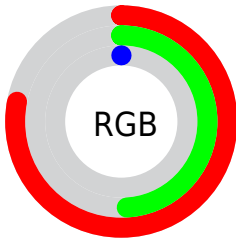
Format	Color
R _Y B	117, 200, 0
Decimal	13139456
CIE Lab	59.00, 21.24, 65.38
CIE LCh	59, 68.749, 72.002
Yxy	27.0277, 0.5041, 0.4382
Android (android.graphics.Color)	4291329536 (0xFFC87E00)
YUV	133.7620, -65.9447, 58.0907
Hunter-Lab	51.9882, 15.7781, 32.3370

Details

The CIELCh color **59, 68.749, 72.002** 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 **36, 76.920, 294.597**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 66.927, 74.249**, and **39, 53.454, 65.747** is the 20% darker color. If you saturate the color by 10%, you get **59, 68.625, 71.963**, and if you desaturate by 10%, it is **61, 65.327, 74.485**.

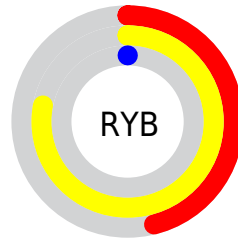
Distribution



Red (78%)

Green (49%)

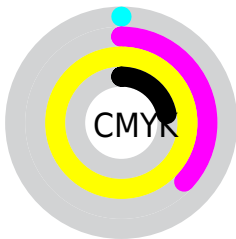
Blue (0%)



Red (46%)

Yellow (78%)

Blue (0%)

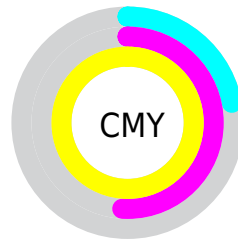


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 68.749, 72.002 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 59, 68.749, 72.002 by changing the saturation by 10% instead.

■ 59, 68.749, 72.002

■ 59, 68.749, 72.002

■ 100, 68.749,
72.002

■ 49, 68.749, 72.002

■ 79, 68.749, 72.002

■ 39, 68.749, 72.002

■ 89, 68.749, 72.002

■ 29, 68.749, 72.002

■ 99, 68.749, 72.002

■ 19, 68.749, 72.002

■ 9, 68.749, 72.002

■ 0, 68.749, 72.002

■ 59, 68.749, 72.002

■ 59, 68.749, 72.002

■ 59, 68.625, 71.963

■ 61, 65.327, 74.485

■ 63, 60.142, 76.574

65, 53.407, 78.321

67, 45.872, 79.887

69, 38.021, 81.358

71, 30.129, 82.772

73, 22.333, 84.144

76, 14.698, 85.474

78, 7.250, 86.752

Harmonies

Complementary

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



59, 68.749, 72.002



36, 76.920, 294.597

Rectangle

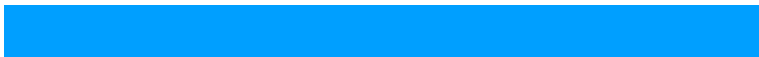
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 68.749, 72.002



59, 68.749, 122.002



59, 68.749, 252.002



59, 68.749, 302.002

Sweetspot

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



59, 68.625, 71.963



91, 27.270, 84.085



42, 70.792, 13.595



48, 18.702, 83.502



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59, 68.625, 71.963



74, 82.588, 71.458



76, 81.335, 109.986



41, 4.097, 86.828



49, 59.100, 72.467



9, 13.572, 74.144

Inverse Universe

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



36, 76.920, 294.597



46, 93.971, 295.164



25, 110.545, 306.673



39, 4.080, 269.317



29, 65.242, 294.016



4, 16.093, 279.119

Previews

White Background



This preview shows how the CIELCh color 59, 68.749, 72.002 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 59, 68.749, 72.002 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 59, 68.749, 72.002

Background



This preview shows how black text looks on a background with the CIELCh color 59, 68.749, 72.002.



This preview shows how white text looks on a background with the CIELCh color 59, 68.749, 72.002.

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

59, 68.749, 72.002

Protanopia

59, 61.395, 95.172

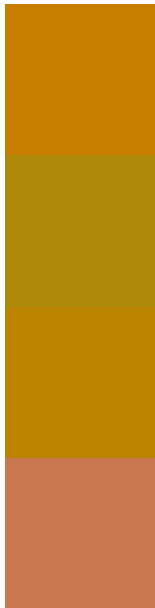
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 36.509, 16.884

Trichromacy



Original Color
59, 68.749, 72.002

Protanomaly
59, 62.574, 86.251

Deuteranomaly
59, 65.677, 79.310

Tritanomaly
59, 45.321, 51.392

Monochromacy



Original Color
59, 68.749, 72.002

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 28.480, 81.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 68.749, 72.002 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(200, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 126, 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(200, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 126, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 68.749, 72.002 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(200, 126, 0) }
```

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

```
.border{ border-color:rgb(200, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 126,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 68.749, 72.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 126, 0) }
```

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

```
.background{ background-color: rgb(200,  
126, 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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