

Converting Colors

CIELCh(58, 90.293, 76.854)

Have a look what the booklet for
CIELCh(58, 90.293, 76.854) contains.

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Color

CIELCh(58, 68.004, 71.507)

Conversions

Conversions Part 1

Format	Color
Hex	C57B00
RGB	197, 123, 0
RGB Percent	77%, 48%, 0%
CMY	0.2283, 0.5183, 1.0000
CMYK	0.00, 0.38, 1.00, 0.23
HSL	37°, 100%, 39%
HSV	37°, 100%, 77%
XYZ	30.0273, 25.9610, 3.4185
YIQ	131.1040, 83.5870, -22.5650

Conversions

Conversions Part 2

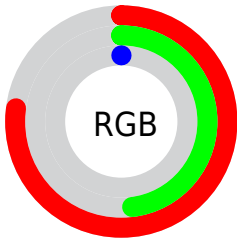
Format	Color
R _Y B	119, 197, 0
Decimal	12942080
CIE Lab	58.00, 21.57, 64.49
CIE LCh	58, 68.004, 71.507
Yxy	25.9610, 0.5055, 0.4370
Android (android.graphics.Color)	4291132160 (0xFFC57B00)
YUV	131.1040, -64.6343, 57.7908
Hunter-Lab	50.9519, 16.0288, 31.6885

Details

The CIELCh color **58, 68.004, 71.507** 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, 75.364, 294.219**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 67.071, 72.927**, and **38, 52.749, 64.970** is the 20% darker color. If you saturate the color by 10%, you get **58, 67.948, 71.491**, and if you desaturate by 10%, it is **60, 64.597, 74.017**.

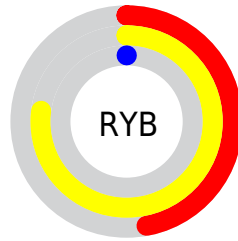
Distribution



Red (77%)

Green (48%)

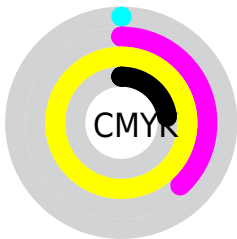
Blue (0%)



Red (47%)

Yellow (77%)

Blue (0%)

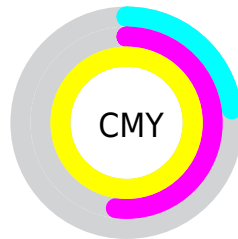


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (23%)



Cyan (23%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 68.004, 71.507 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 58, 68.004, 71.507 by changing the saturation by 10% instead.

■ 58, 68.004, 71.507

■ 58, 68.004, 71.507

■ 100, 68.004,
71.507

■ 48, 68.004, 71.507

■ 78, 68.004, 71.507

■ 38, 68.004, 71.507

■ 88, 68.004, 71.507

■ 28, 68.004, 71.507

■ 98, 68.004, 71.507

■ 18, 68.004, 71.507

■ 8, 68.004, 71.507

■ 0, 68.004, 71.507

■ 58, 68.004, 71.507

■ 58, 68.004, 71.507

■ 58, 67.948, 71.491

■ 60, 64.597, 74.017

■ 62, 59.407, 76.112

64, 52.708, 77.859

66, 45.239, 79.424

68, 37.474, 80.894

70, 29.680, 82.307

72, 21.990, 83.678

75, 14.467, 85.008

77, 7.133, 86.286

Harmonies

Complementary

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



58, 68.004, 71.507



36, 75.364, 294.219

Rectangle

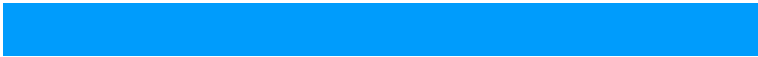
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 68.004, 71.507



58, 68.004, 121.507



58, 68.004, 251.507



58, 68.004, 301.507

Sweetspot

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



58, 67.948, 71.491



91, 27.156, 83.615



42, 70.058, 13.541



47, 18.627, 83.032



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 67.948, 71.491



74, 82.630, 70.947



75, 80.501, 109.980



41, 4.077, 86.361



49, 59.119, 71.968



9, 13.522, 73.467

Inverse Universe

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



36, 75.364, 294.219



46, 93.114, 294.828



24, 109.406, 306.677



39, 4.057, 268.855



29, 64.645, 293.669



4, 16.010, 278.834

Previews

White Background



This preview shows how the CIELCh color 58, 68.004, 71.507 looks on a white background.

Color Contrast Check

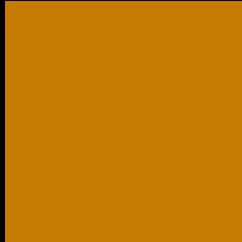
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 68.004, 71.507 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 58, 68.004, 71.507

Background



This preview shows how black text looks on a background with the CIELCh color 58, 68.004, 71.507.



This preview shows how white text looks on a background with the CIELCh color 58, 68.004, 71.507.

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

58, 68.004, 71.507

Protanopia

58, 60.381, 95.018

Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 37.032, 16.270

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 68.004, 71.507 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(197, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 123, 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(197, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 123, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 68.004, 71.507 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(197, 123, 0) }
```

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

```
.border{ border-color:rgb(197, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 123,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 68.004, 71.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 123, 0) }
```

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

```
.background{ background-color: rgb(197,  
123, 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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