

Converting Colors

CIELCh(58, 71.619, 66.039)

Have a look what the booklet for
CIELCh(58, 71.619, 66.039) contains.

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Color

CIELCh(58, 71.324, 65.923)

Conversions

Conversions Part 1

Format	Color
Hex	CF7500
RGB	207, 117, 0
RGB Percent	81%, 46%, 0%
CMY	0.1886, 0.5414, 1.0000
CMYK	0.00, 0.43, 1.00, 0.19
HSL	34°, 100%, 41%
HSV	34°, 100%, 81%
XYZ	32.0629, 25.9610, 3.3177
YIQ	130.5720, 91.1970, -17.3070

Conversions

Conversions Part 2

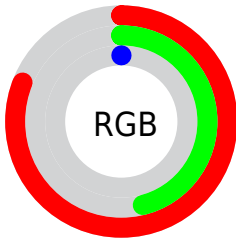
Format	Color
R_{YB}	159, 207, 0
Decimal	13595904
CIE Lab	58.00, 29.10, 65.12
CIE LCh	58, 71.324, 65.923
Yxy	25.9610, 0.5227, 0.4232
Android (android.graphics.Color)	4291785984 (0xFFCF7500)
YUV	130.5720, -64.3720, 67.0274
Hunter-Lab	50.9519, 23.1601, 31.8058

Details

The CIELCh color **58, 71.324, 65.923** 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 **41, 70.599, 290.159**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 66.753, 70.005**, and **38, 56.855, 58.625** is the 20% darker color. If you saturate the color by 10%, you get **58, 71.305, 65.918**, and if you desaturate by 10%, it is **60, 67.252, 68.605**.

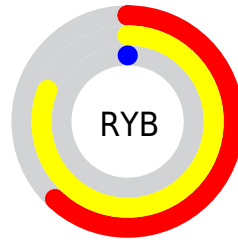
Distribution



Red (81%)

Green (46%)

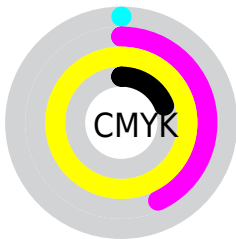
Blue (0%)



Red (62%)

Yellow (81%)

Blue (0%)

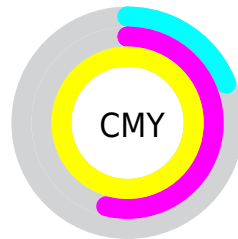


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 71.324, 65.923 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, 71.324, 65.923 by changing the saturation by 10% instead.

■ 58, 71.324, 65.923

■ 58, 71.324, 65.923

■ 100, 71.324,
65.923

■ 48, 71.324, 65.923

■ 78, 71.324, 65.923

■ 38, 71.324, 65.923

■ 88, 71.324, 65.923

■ 28, 71.324, 65.923

■ 98, 71.324, 65.923

■ 18, 71.324, 65.923

■ 8, 71.324, 65.923

■ 0, 71.324, 65.923

■ 58, 71.324, 65.923

■ 58, 71.324, 65.923

■ 58, 71.305, 65.918

■ 60, 67.252, 68.605

■ 62, 61.310, 70.760

65, 53.952, 72.504

67, 45.966, 74.043

70, 37.828, 75.484

72, 29.785, 76.873

75, 21.952, 78.229

77, 14.372, 79.550

80, 7.055, 80.824

Harmonies

Complementary

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



58, 71.324, 65.923



41, 70.599, 290.159

Rectangle

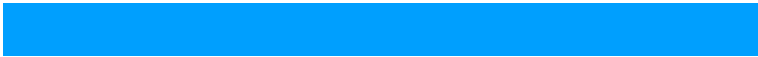
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 71.324, 65.923



58, 71.324, 115.923



58, 71.324, 245.923



58, 71.324, 295.923

Sweetspot

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



58, 71.305, 65.918



90, 26.025, 78.180



44, 72.124, 7.216



47, 17.890, 77.605



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, 71.305, 65.918



70, 83.588, 65.444



80, 82.951, 105.960



43, 4.033, 80.896



48, 61.048, 66.483



10, 15.875, 66.715

Inverse Universe

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



41, 70.599, 290.159



50, 83.710, 290.690



25, 114.074, 306.415



42, 3.983, 263.433



33, 59.620, 289.514



5, 17.619, 277.318

Previews

White Background



This preview shows how the CIELCh color 58, 71.324, 65.923 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, 71.324, 65.923 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, 71.324, 65.923

Background



This preview shows how black text looks on a background with the CIELCh color 58, 71.324, 65.923.



This preview shows how white text looks on a background with the CIELCh color 58, 71.324, 65.923.

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, 71.324, 65.923

Protanopia

58, 59.779, 95.009

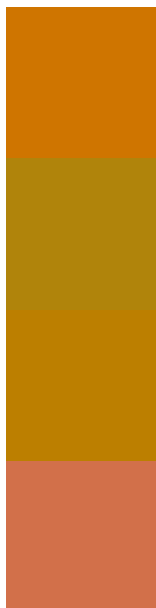
Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 43.267, 19.787

Trichromacy



Original Color
58, 71.324, 65.923

Protanomaly
58, 61.726, 83.166

Deuteranomaly
58, 65.673, 76.442

Tritanomaly
58, 51.901, 47.103

Monochromacy



Original Color
58, 71.324, 65.923

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 29.054, 75.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 71.324, 65.923 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(207, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 117, 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(207, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 117, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 71.324, 65.923 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(207, 117, 0) }
```

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

```
.border{ border-color:rgb(207, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 117,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 71.324, 65.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 117, 0) }
```

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

```
.background{ background-color: rgb(207,  
117, 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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