

Converting Colors

CIELCh(56, 71.016, 63.927)

Have a look what the booklet for
CIELCh(56, 71.016, 63.927) contains.

CIELCh(56, 70.764, 63.895)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 70.764, 63.895)

Conversions

Conversions Part 1

Format	Color
Hex	CB6E00
RGB	203, 110, 0
RGB Percent	80%, 43%, 0%
CMY	0.2031, 0.5680, 0.9989
CMYK	0.00, 0.46, 1.00, 0.20
HSL	32°, 100%, 40%
HSV	32°, 100%, 80%
XYZ	30.2784, 23.9124, 3.0278
YIQ	125.2670, 90.7380, -14.4940

Conversions

Conversions Part 2

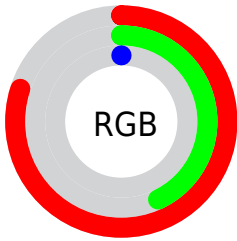
Format	Color
RYB	172, 203, 0
Decimal	13331968
CIELab	56.00, 31.14, 63.55
CIELCh	56, 70.764, 63.895
Yxy	23.9124, 0.5292, 0.4179
Android (android.graphics.Color)	4291522048 (0xFFCB6E00)
YUV	125.2670, -61.7566, 68.1718
Hunter-Lab	48.9003, 24.9491, 30.5591

Details

The CIELCh color **56, 70.764, 63.895** 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, 66.393, 288.121**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 67.348, 66.446**, and **36, 56.638, 56.029** is the 20% darker color. If you saturate the color by 10%, you get **56, 70.824, 63.862**, and if you desaturate by 10%, it is **58, 66.418, 66.558**.

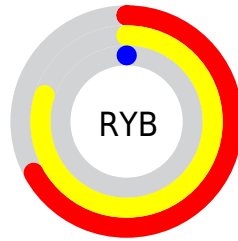
Distribution



Red (80%)

Green (43%)

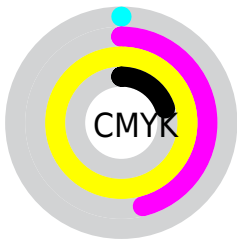
Blue (0%)



Red (67%)

Yellow (80%)

Blue (0%)

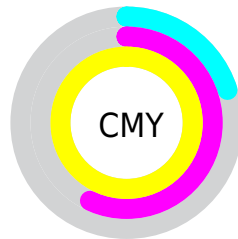


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 70.764, 63.895 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 56, 70.764, 63.895 by changing the saturation by 10% instead.

■ 56, 70.764, 63.895

■ 56, 70.764, 63.895

■ 100, 70.764,
63.895

■ 46, 70.764, 63.895

■ 76, 70.764, 63.895

■ 36, 70.764, 63.895

■ 86, 70.764, 63.895

■ 26, 70.764, 63.895

■ 96, 70.764, 63.895

■ 16, 70.764, 63.895

■ 6, 70.764, 63.895

■ 0, 70.764, 63.895

■ 56, 70.764, 63.895

■ 56, 70.764, 63.895

■ 56, 70.824, 63.862

■ 58, 66.418, 66.558

■ 60, 60.266, 68.670

63, 52.814, 70.364

65, 44.836, 71.857

68, 36.778, 73.258

70, 28.867, 74.614

73, 21.203, 75.942

76, 13.821, 77.243

79, 6.724, 78.498

Harmonies

Complementary

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



56, 70.764, 63.895



42, 66.393, 288.121

Rectangle

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



56, 70.764, 63.895



56, 70.764, 113.895



56, 70.764, 243.895



56, 70.764, 293.895

Sweetspot

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



56, 70.762, 63.897



90, 25.643, 75.871



44, 71.138, 5.466



46, 17.644, 75.306



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 70.762, 63.897



69, 84.211, 63.330



79, 81.720, 104.927



42, 3.878, 78.554



46, 60.748, 64.442



9, 14.412, 63.238

Inverse Universe

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



42, 66.393, 288.121



52, 80.004, 288.782



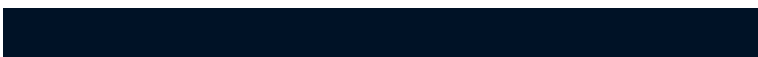
25, 112.541, 306.363



41, 3.817, 261.076



34, 56.295, 287.507



5, 15.930, 274.597

Previews

White Background



This preview shows how the CIELCh color 56, 70.764, 63.895 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 56, 70.764, 63.895 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 56, 70.764, 63.895

Background



This preview shows how black text looks on a background with the CIELCh color 56, 70.764, 63.895.



This preview shows how white text looks on a background with the CIELCh color 56, 70.764, 63.895.

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

56, 70.764, 63.895

Protanopia

56, 57.969, 95.199

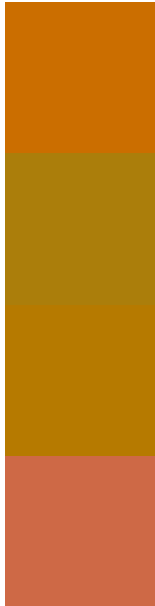
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 44.845, 19.733

Trichromacy



Original Color
56, 70.764, 63.895

Protanomaly
56, 60.055, 81.954

Deuteranomaly
56, 64.087, 76.022

Tritanomaly
56, 52.836, 45.339

Monochromacy



Original Color
56, 70.764, 63.895

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 27.856, 74.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 70.764, 63.895 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(203, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 110, 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(203, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 110, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 70.764, 63.895 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(203, 110, 0) }
```

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

```
.border{ border-color:rgb(203, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 110,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 70.764, 63.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 110, 0) }
```

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

```
.background{ background-color: rgb(203,  
110, 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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