

Converting Colors

CIELCh(56, 68.497, 66.598)

Have a look what the booklet for
CIELCh(56, 68.497, 66.598) contains.

CIELCh(56, 68.541, 66.390)	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, 68.541, 66.390)

Conversions

Conversions Part 1

Format	Color
Hex	C67102
RGB	198, 113, 2
RGB Percent	78%, 44%, 1%
CMY	0.2224, 0.5559, 0.9905
CMYK	0.00, 0.43, 0.99, 0.22
HSL	34°, 98%, 39%
HSV	34°, 99%, 78%
XYZ	29.3084, 23.9124, 3.1404
YIQ	125.7610, 86.2910, -16.5010

Conversions

Conversions Part 2

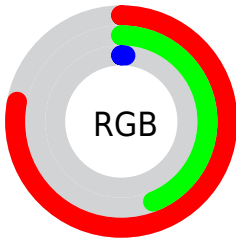
Format	Color
RYB	152, 198, 2
Decimal	13005058
CIELab	56.00, 27.45, 62.80
CIELCh	56, 68.541, 66.390
Yxy	23.9124, 0.5200, 0.4243
Android (android.graphics.Color)	4291195138 (0xFFC67102)
YUV	125.7610, -61.0142, 63.3536
Hunter-Lab	48.9003, 21.4084, 30.4226

Details

The CIELCh color **56, 68.541, 66.390** 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 **40, 67.363, 289.613**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.997, 67.728**, and **36, 54.552, 58.681** is the 20% darker color. If you saturate the color by 10%, you get **56, 69.033, 66.083**, and if you desaturate by 10%, it is **58, 64.415, 69.016**.

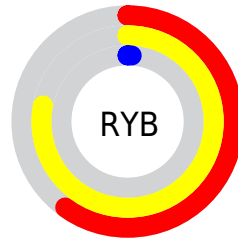
Distribution



Red (78%)

Green (44%)

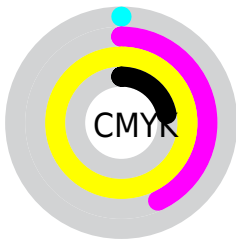
Blue (1%)



Red (60%)

Yellow (78%)

Blue (1%)

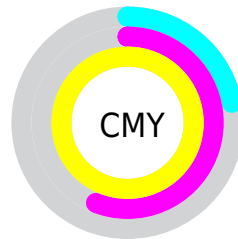


Cyan (0%)

Magenta (43%)

Yellow (99%)

Black (22%)



Cyan (22%)

Magenta (56%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 68.541, 66.390 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, 68.541, 66.390 by changing the saturation by 10% instead.

■ 56, 68.541, 66.390

■ 56, 68.541, 66.390

■ 100, 68.541,
66.390

■ 46, 68.541, 66.390

■ 76, 68.541, 66.390

■ 36, 68.541, 66.390

■ 86, 68.541, 66.390

■ 26, 68.541, 66.390

■ 96, 68.541, 66.390

■ 16, 68.541, 66.390

■ 6, 68.541, 66.390

■ 0, 68.541, 66.390

■ 56, 68.541, 66.390

■ 56, 68.541, 66.390

■ 56, 69.033, 66.083

■ 58, 64.415, 69.016

■ 60, 58.425, 71.088

62, 51.195, 72.788

65, 43.441, 74.306

67, 35.584, 75.735

70, 27.837, 77.116

72, 20.299, 78.464

75, 13.008, 79.777

78, 5.969, 81.038

Harmonies

Complementary

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



56, 68.541, 66.390



40, 67.363, 289.613

Rectangle

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



56, 68.541, 66.390



56, 68.541, 116.390



56, 68.541, 246.390



56, 68.541, 296.390

Sweetspot

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



56, 68.539, 66.392



90, 26.035, 78.241



43, 69.636, 6.525



47, 17.897, 77.665



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, 68.539, 66.392



70, 83.574, 65.502



77, 80.101, 105.944



41, 3.872, 80.964



46, 59.654, 66.633



8, 13.119, 65.832

Inverse Universe

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



40, 67.363, 289.613



50, 83.810, 290.739



24, 109.882, 306.323



40, 3.825, 263.487



32, 58.203, 289.457



4, 15.086, 275.326

Previews

White Background



This preview shows how the CIELCh color 56, 68.541, 66.390 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, 68.541, 66.390 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, 68.541, 66.390

Background



This preview shows how black text looks on a background with the CIELCh color 56, 68.541, 66.390.



This preview shows how white text looks on a background with the CIELCh color 56, 68.541, 66.390.

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, 68.541, 66.390

Protanopia

56, 58.188, 95.202

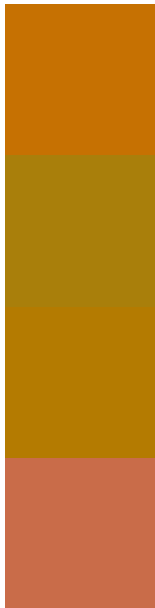
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 41.329, 18.657

Trichromacy



Original Color
56, 68.541, 66.390

Protanomaly
56, 59.792, 83.345

Deuteranomaly
56, 63.467, 77.223

Tritanomaly
56, 49.174, 46.591

Monochromacy



Original Color
56, 68.541, 66.390

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 27.281, 75.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 68.541, 66.390 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(198, 113, 2)` looks like.

```
.text, #text, p{  
    color:rgb(198, 113, 2)  
}
```

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(198, 113, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 113, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 68.541, 66.390 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(198, 113, 2) }
```

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

```
.border{ border-color:rgb(198, 113, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 113, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 113, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 113, 2);  
box-shadow:4px 4px 4px 4px rgb(198, 113,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 68.541, 66.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 113, 2) }
```

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

```
.background{ background-color: rgb(198,  
113, 2) }
```

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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