

Converting Colors

CIELCh(56, 50.170, 49.558)

Have a look what the booklet for
CIELCh(56, 50.170, 49.558) contains.

CIELCh(56, 50.245, 49.727)	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, 50.245, 49.727)

Conversions

Conversions Part 1

Format	Color
Hex	C96E45
RGB	201, 110, 69
RGB Percent	79%, 43%, 27%
CMY	0.2128, 0.5695, 0.7302
CMYK	0.00, 0.45, 0.66, 0.21
HSL	19°, 55%, 53%
HSV	19°, 66%, 79%
XYZ	30.6369, 23.9124, 8.5974
YIQ	132.5350, 67.3970, 6.5410

Conversions

Conversions Part 2

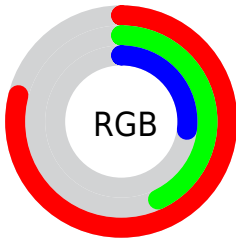
Format	Color
RYB	201, 128, 69
Decimal	13200965
CIELab	56.00, 32.48, 38.34
CIElCh	56, 50.245, 49.727
Yxy	23.9124, 0.4852, 0.3787
Android (android.graphics.Color)	4291391045 (0xFFC96E45)
YUV	132.5350, -31.3228, 60.0438
Hunter-Lab	48.9003, 26.2578, 23.8062

Details

The CIELCh color **56, 50.245, 49.727** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **62, 32.300, 243.847**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 47.710, 51.668**, and **36, 50.221, 49.394** is the 20% darker color. If you saturate the color by 10%, you get **53, 59.523, 49.546**, and if you desaturate by 10%, it is **59, 41.170, 49.940**.

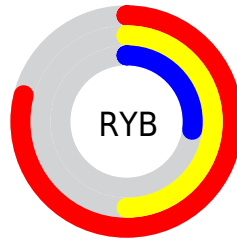
Distribution



Red (79%)

Green (43%)

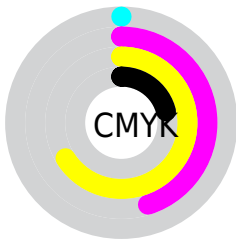
Blue (27%)



Red (79%)

Yellow (50%)

Blue (27%)

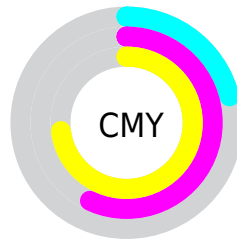


Cyan (0%)

Magenta (45%)

Yellow (66%)

Black (21%)



Cyan (21%)

Magenta (57%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 50.245, 49.727 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, 50.245, 49.727 by changing the saturation by 10% instead.

■ 56, 50.245, 49.727

■ 56, 50.245, 49.727

■ 100, 50.245,
49.727

■ 46, 50.245, 49.727

■ 76, 50.245, 49.727

■ 36, 50.245, 49.727

■ 86, 50.245, 49.727

■ 26, 50.245, 49.727

■ 96, 50.245, 49.727

■ 16, 50.245, 49.727

■ 6, 50.245, 49.727

■ 0, 50.245, 49.727

■ 56, 50.245, 49.727

■ 56, 50.245, 49.727

■ 53, 59.523, 49.546

■ 59, 41.170, 49.940

■ 50, 68.433, 49.178

■ 63, 32.551, 50.247

48, 75.831, 48.168

67, 24.477, 50.665

47, 78.670, 47.756

71, 16.962, 51.180

74, 9.985, 51.765

79, 3.504, 52.339

83, 2.529, 233.388

87, 8.163, 233.985

91, 13.445,
234.708

Harmonies

Complementary

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



56, 50.245, 49.727



62, 32.300, 243.847

Rectangle

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



56, 50.245, 49.727



56, 50.245, 99.727



56, 50.245, 229.727



56, 50.245, 279.727

Sweetspot

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



56, 50.243, 49.730



90, 15.684, 51.493



51, 65.554, 339.788



47, 10.816, 51.327



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, 50.243, 49.730



65, 76.072, 49.428



72, 55.868, 92.492



40, 3.489, 52.147



38, 67.089, 48.271



6, 13.507, 38.793

Inverse Universe

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



62, 32.300, 243.847



73, 43.983, 249.077



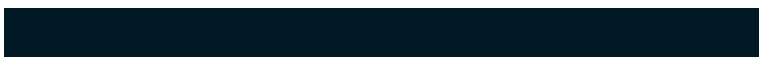
44, 62.914, 292.834



40, 3.323, 233.713



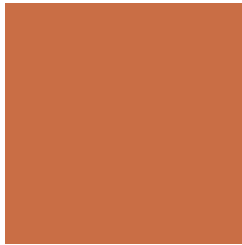
45, 35.509, 257.556



7, 11.458, 246.580

Previews

White Background



This preview shows how the CIELCh color 56, 50.245, 49.727 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, 50.245, 49.727 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, 50.245, 49.727

Background



This preview shows how black text looks on a background with the CIELCh color 56, 50.245, 49.727.



This preview shows how white text looks on a background with the CIELCh color 56, 50.245, 49.727.

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, 50.245, 49.727

Protanopia

56, 32.987, 95.939

Deuteranopia

56, 39.933, 79.373



Tritanopia
56, 41.831, 19.539

Trichromacy



Original Color
56, 50.245, 49.727

Protanomaly
56, 35.537, 74.227

Deuteranomaly
56, 42.378, 66.256

Tritanomaly
56, 43.217, 32.428

Monochromacy



Original Color
56, 50.245, 49.727

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 16.766, 51.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 50.245, 49.727 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(201, 110, 69)` looks like.

```
.text, #text, p{  
    color:rgb(201, 110, 69)  
}
```

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(201, 110, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 110, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 50.245, 49.727 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(201, 110, 69) }
```

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

```
.border{ border-color:rgb(201, 110, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 110, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 110, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 110, 69);  
box-shadow:4px 4px 4px 4px rgb(201, 110,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 50.245, 49.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 110, 69) }
```

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

```
.background{ background-color: rgb(201,  
110, 69) }
```

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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