

Converting Colors

CIELCh(49, 70.142, 56.868)

Have a look what the booklet for
CIELCh(49, 70.142, 56.868) contains.

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Color

CIELCh(49, 69.840, 56.779)

Conversions

Conversions Part 1

Format	Color
Hex	BE5600
RGB	190, 86, 0
RGB Percent	75%, 34%, 0%
CMY	0.2550, 0.6628, 1.0000
CMYK	0.00, 0.55, 1.00, 0.26
HSL	27°, 100%, 37%
HSV	27°, 100%, 74%
XYZ	24.5524, 17.5941, 2.1010
YIQ	107.2920, 89.5900, -4.6980

Conversions

Conversions Part 2

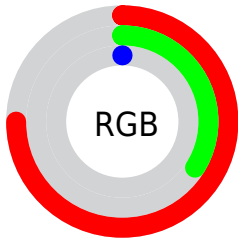
Format	Color
R _Y B	190, 157, 0
Decimal	12473856
CIE Lab	49.00, 38.26, 58.43
CIE LCh	49, 69.840, 56.779
Yxy	17.5941, 0.5549, 0.3976
Android (android.graphics.Color)	4290663936 (0xFFBE5600)
YUV	107.2920, -52.8950, 72.5349
Hunter-Lab	41.9453, 31.0795, 26.3920

Details

The CIELCh color **49, 69.840, 56.779** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **44, 52.665, 279.110**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 69.774, 56.743**, and **29, 56.529, 46.985** is the 20% darker color. If you saturate the color by 10%, you get **49, 69.832, 56.778**, and if you desaturate by 10%, it is **51, 64.486, 59.044**.

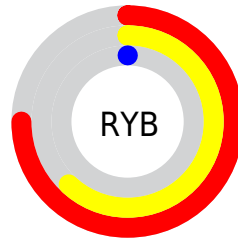
Distribution



Red (75%)

Green (34%)

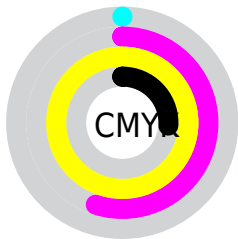
Blue (0%)



Red (75%)

Yellow (62%)

Blue (0%)

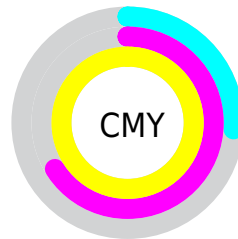


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 69.840, 56.779 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 49, 69.840, 56.779 by changing the saturation by 10% instead.

49, 69.840, 56.779

49, 69.840, 56.779

100, 69.840,
56.779

39, 69.840, 56.779

69, 69.840, 56.779

29, 69.840, 56.779

79, 69.840, 56.779

19, 69.840, 56.779

89, 69.840, 56.779

9, 69.840, 56.779

99, 69.840, 56.779

0, 69.840, 56.779

49, 69.840, 56.779

49, 69.840, 56.779

49, 69.832, 56.778

51, 64.486, 59.044

54, 57.684, 60.803

■ 56, 49.926, 62.141

■ 59, 41.934, 63.312

■ 62, 34.080, 64.433

■ 65, 26.532, 65.551

■ 68, 19.352, 66.678

■ 71, 12.548, 67.809

■ 74, 6.105, 68.920

Harmonies

Complementary

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



49, 69.840, 56.779



44, 52.665, 279.110

Rectangle

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



49, 69.840, 56.779



49, 69.840, 106.779



49, 69.840, 236.779



49, 69.840, 286.779

Sweetspot

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



49, 69.832, 56.778



86, 24.011, 66.623



41, 68.706, 357.416



44, 16.713, 66.141



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



49, 69.832, 56.778



63, 85.526, 56.118



72, 74.876, 99.579



38, 3.435, 68.989



41, 60.737, 57.344



5, 10.031, 54.436

Inverse Universe

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



44, 52.665, 279.110



56, 65.189, 279.947



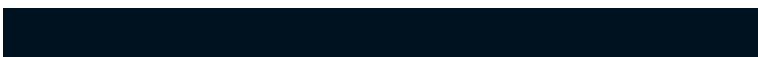
23, 105.007, 305.708



38, 3.338, 251.328



36, 45.394, 278.388



4, 11.017, 264.222

Previews

White Background



This preview shows how the CIELCh color 49, 69.840, 56.779 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 69.840, 56.779 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 49, 69.840, 56.779

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.840, 56.779.



This preview shows how white text looks on a background with the CIELCh color 49, 69.840, 56.779.

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

49, 69.840, 56.779

Protanopia

49, 51.104, 95.149

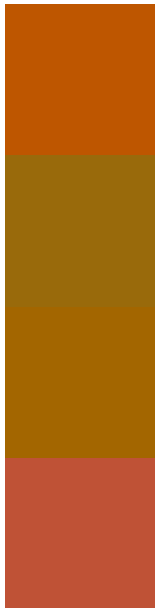
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 49.627, 23.832

Trichromacy



Original Color
49, 69.840, 56.779

Protanomaly
48, 54.273, 77.833

Deuteranomaly
49, 59.059, 72.120

Tritanomaly
49, 56.416, 41.791

Monochromacy



Original Color
49, 69.840, 56.779

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 26.214, 64.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 69.840, 56.779 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(190, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 86, 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(190, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 86, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.840, 56.779 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(190, 86, 0) }
```

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

```
.border{ border-color:rgb(190, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.840, 56.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 86, 0) }
```

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

```
.background{ background-color: rgb(190, 86,  
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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