

Converting Colors

CIELCh(56, 66.679, 69.555)

Have a look what the booklet for
CIELCh(56, 66.679, 69.555) contains.

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Color

CIELCh(56, 66.767, 69.732)

Conversions

Conversions Part 1

Format	Color
Hex	C17501
RGB	193, 117, 1
RGB Percent	76%, 46%, 0%
CMY	0.2450, 0.5427, 0.9949
CMYK	0.00, 0.39, 0.99, 0.24
HSL	36°, 99%, 38%
HSV	36°, 99%, 76%
XYZ	28.1977, 23.9124, 3.1667
YIQ	126.5000, 82.5320, -19.9640

Conversions

Conversions Part 2

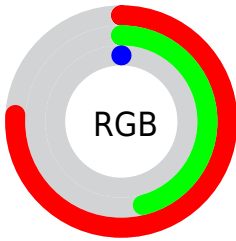
Format	Color
R_{YB}	127, 193, 1
Decimal	12678401
CIE _{Lab}	56.00, 23.13, 62.63
CIE _{LCh}	56, 66.767, 69.732
Yxy	23.9124, 0.5101, 0.4326
Android (android.graphics.Color)	4290868481 (0xFFC17501)
YUV	126.5000, -61.8715, 58.3205
Hunter-Lab	48.9003, 17.3539, 30.3908

Details

The CIELCh color **56, 66.767, 69.732** 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 **36, 70.813, 292.503**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 67.087, 69.673**, and **36, 52.080, 62.634** is the 20% darker color. If you saturate the color by 10%, you get **56, 67.011, 69.568**, and if you desaturate by 10%, it is **58, 63.140, 72.289**.

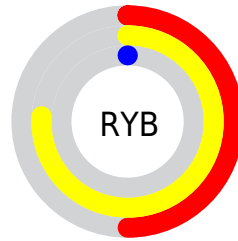
Distribution



Red (76%)

Green (46%)

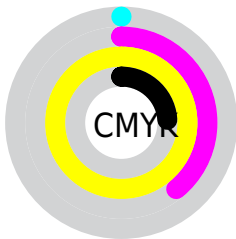
Blue (0%)



Red (50%)

Yellow (76%)

Blue (0%)

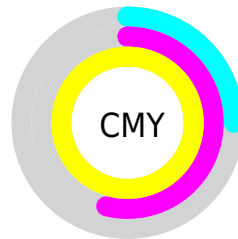


Cyan (0%)

Magenta (39%)

Yellow (99%)

Black (24%)



Cyan (25%)

Magenta (54%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 66.767, 69.732 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, 66.767, 69.732 by changing the saturation by 10% instead.

■ 56, 66.767, 69.732

■ 56, 66.767, 69.732

■ 100, 66.767,
69.732

■ 46, 66.767, 69.732

■ 76, 66.767, 69.732

■ 36, 66.767, 69.732

■ 86, 66.767, 69.732

■ 26, 66.767, 69.732

■ 96, 66.767, 69.732

■ 16, 66.767, 69.732

■ 6, 66.767, 69.732

■ 0, 66.767, 69.732

■ 56, 66.767, 69.732

■ 56, 66.767, 69.732

■ 56, 67.011, 69.568

■ 58, 63.140, 72.289

■ 60, 57.707, 74.372

62, 50.920, 76.104

64, 43.486, 77.655

66, 35.844, 79.114

68, 28.228, 80.519

71, 20.755, 81.884

73, 13.474, 83.210

76, 6.400, 84.482

Harmonies

Complementary

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



56, 66.767, 69.732



36, 70.813, 292.503

Rectangle

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



56, 66.767, 69.732



56, 66.767, 119.732



56, 66.767, 249.732



56, 66.767, 299.732

Sweetspot

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



56, 66.765, 69.735



89, 26.287, 81.728



41, 68.505, 11.513



46, 18.041, 81.151



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



56, 66.765, 69.735



71, 81.606, 68.986



74, 78.866, 108.959



40, 3.913, 84.476



47, 58.556, 70.059



7, 11.920, 70.634

Inverse Universe

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



36, 70.813, 292.503



47, 88.270, 293.398



24, 107.416, 306.558



39, 3.885, 266.978



30, 61.496, 292.184



4, 14.239, 276.598

Previews

White Background



This preview shows how the CIELCh color 56, 66.767, 69.732 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, 66.767, 69.732 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, 66.767, 69.732

Background



This preview shows how black text looks on a background with the CIELCh color 56, 66.767, 69.732.



This preview shows how white text looks on a background with the CIELCh color 56, 66.767, 69.732.

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, 66.934, 69.795

Protanopia

56, 58.600, 95.207

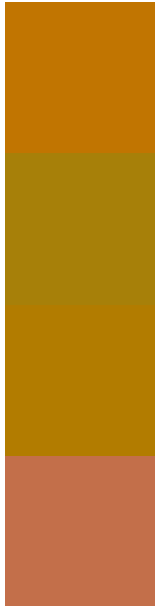
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 37.813, 17.505

Trichromacy



Original Color
56, 66.934, 69.795

Protanomaly
56, 59.905, 84.808

Deuteranomaly
56, 63.228, 78.542

Tritanomaly
56, 45.839, 49.370

Monochromacy



Original Color
56, 66.934, 69.795

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 27.237, 80.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 66.767, 69.732 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(193, 117, 1)` looks like.

```
.text, #text, p{  
    color:rgb(193, 117, 1)  
}
```

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(193, 117, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 117, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 66.767, 69.732 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(193, 117, 1) }
```

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

```
.border{ border-color:rgb(193, 117, 1) }
```

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

Here you see how a box with a 4 pixel rgb(193, 117, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 117, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 117, 1);  
box-shadow:4px 4px 4px 4px rgb(193, 117,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 66.767, 69.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 117, 1) }
```

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

```
.background{ background-color: rgb(193,  
117, 1) }
```

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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