

Converting Colors

CIELCh(48, 56.583, 109.130)

Have a look what the booklet for
CIELCh(48, 56.583, 109.130)
contains.

CIELCh(48, 56.256, 109.175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 56.256, 109.175)

Conversions

Conversions Part 1

Format	Color
Hex	6C7900
RGB	108, 121, 0
RGB Percent	42%, 47%, 0%
CMY	0.5774, 0.5263, 1.0000
CMYK	0.11, 0.00, 1.00, 0.53
HSL	66°, 100%, 24%
HSV	66°, 100%, 47%
XYZ	12.9651, 16.7945, 2.5485
YIQ	103.3190, 31.0930, -40.3870

Conversions

Conversions Part 2

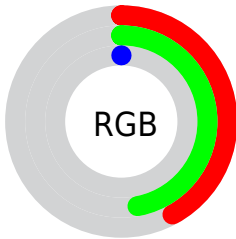
Format	Color
RYB	0, 121, 13
Decimal	7108864
CIELab	48.00, -18.48, 53.13
CIELCh	48, 56.256, 109.175
Yxy	16.7945, 0.4013, 0.5198
Android (android.graphics.Color)	4285298944 (0xFF6C7900)
YUV	103.3190, -50.9363, 4.1052
Hunter-Lab	40.9810, -15.2451, 24.9996

Details

The CIELCh color **48, 56.256, 109.175** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 76.332, 306.825**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 56.070, 108.965**, and **28, 40.376, 115.288** is the 20% darker color. If you saturate the color by 10%, you get **48, 56.186, 109.193**, and if you desaturate by 10%, it is **48, 53.694, 109.110**.

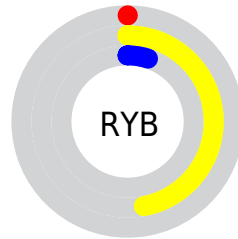
Distribution



Red (42%)

Green (47%)

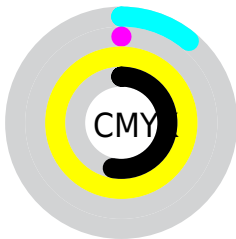
Blue (0%)



Red (0%)

Yellow (47%)

Blue (5%)

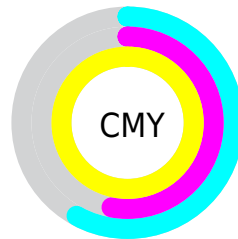


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (58%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 56.256, 109.175 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 48, 56.256, 109.175 by changing the saturation by 10% instead.


 48, 56.256,
109.175


 48, 56.256,
109.175


 100, 56.256,
109.175


 38, 56.256,
109.175

 68, 56.256,
109.175


 28, 56.256,
109.175

 78, 56.256,
109.175

 18, 56.256,
109.175

 88, 56.256,
109.175

 8, 56.256, 109.175

 98, 56.256,
109.175

 0, 56.256, 109.175

 48, 56.256,

 48, 56.256,

109.175

■ 48, 56.186,
109.193

109.175

■ 48, 53.694,
109.110

■ 48, 50.362,
109.187

■ 48, 45.814,
109.508

■ 49, 40.351,
110.013

■ 49, 34.256,
110.643

■ 49, 27.748,
111.352

■ 50, 20.981,
112.105

■ 50, 14.057,
112.877

Harmonies

Complementary

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



48, 56.256, 109.175



12, 76.332, 306.825

Rectangle

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



48, 56.256, 109.175



48, 56.256, 159.175



48, 56.256, 289.175



48, 56.256, 339.175

Sweetspot

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



48, 56.186, 109.193



64, 26.140, 112.048



25, 57.004, 40.037



33, 17.693, 111.791



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 56.186, 109.193



62, 68.342, 109.348



45, 64.309, 130.400



26, 4.012, 113.720



50, 57.574, 109.214



94, 96.995, 109.547

Inverse Universe

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



12, 76.332, 306.825



18, 92.987, 306.705



19, 70.068, 314.808



23, 4.094, 295.144



13, 78.235, 306.808



32, 132.179, 306.576

Previews

White Background



This preview shows how the CIELCh color 48, 56.256, 109.175 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 CIE LCh color 48, 56.256, 109.175 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 56.256, 109.175

Background



This preview shows how black text looks on a background with the CIELCh color 48, 56.256, 109.175.



This preview shows how white text looks on a background with the CIELCh color 48, 56.256, 109.175.

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


48, 56.256, 109.175

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 50.200, 82.803



Tritanopia
48, 5.700, 311.270

Trichromacy



Original Color
48, 56.256, 109.175

Protanomaly
48, 54.220, 100.276

Deuteranomaly
48, 51.188, 93.286

Tritanomaly
47, 22.072, 108.312

Monochromacy



Original Color
48, 56.256, 109.175

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 25.152, 110.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 56.256, 109.175 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(108, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 121, 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(108, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 121, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 56.256, 109.175 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(108, 121, 0) }
```

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

```
.border{ border-color:rgb(108, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(108, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 121,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 56.256, 109.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 121, 0) }
```

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

```
.background{ background-color: rgb(108,  
121, 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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