

Converting Colors

CIELCh(49, 56.397, 105.850)

Have a look what the booklet for
CIELCh(49, 56.397, 105.850)
contains.

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Color

CIELCh(49, 56.260, 105.782)

Conversions

Conversions Part 1

Format	Color
Hex	747A00
RGB	116, 122, 0
RGB Percent	45%, 48%, 0%
CMY	0.5456, 0.5220, 1.0000
CMYK	0.05, 0.00, 1.00, 0.52
HSL	63°, 100%, 24%
HSV	63°, 100%, 48%
XYZ	14.1296, 17.5941, 2.6459
YIQ	106.2980, 35.5860, -39.2140

Conversions

Conversions Part 2

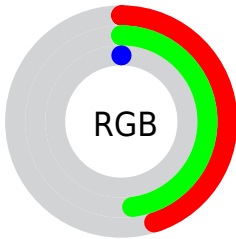
Format	Color
RYB	0, 122, 6
Decimal	7633408
CIELab	49.00, -15.30, 54.14
CIELCh	49, 56.260, 105.782
Yxy	17.5941, 0.4111, 0.5119
Android (android.graphics.Color)	4285823488 (0xFF747A00)
YUV	106.2980, -52.4049, 8.5087
Hunter-Lab	41.9453, -13.2749, 25.6217

Details

The CIELCh color $49, 56.260, 105.782$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $12, 77.194, 306.526$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 56.318, 105.798$, and $29, 40.050, 110.284$ is the 20% darker color. If you saturate the color by 10%, you get $49, 56.223, 105.790$, and if you desaturate by 10%, it is $49, 53.797, 105.904$.

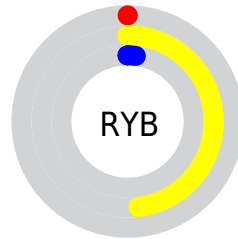
Distribution



Red (45%)

Green (48%)

Blue (0%)



Red (0%)

Yellow (48%)

Blue (2%)

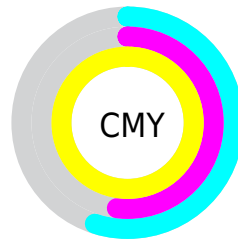


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (55%)


Magenta (52%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 56.260, 105.782 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, 56.260, 105.782 by changing the saturation by 10% instead.


 49, 56.260,
105.782


 49, 56.260,
105.782


 100, 56.260,
105.782

 39, 56.260,
105.782

 69, 56.260,
105.782


 29, 56.260,
105.782

 79, 56.260,
105.782

 19, 56.260,
105.782

 89, 56.260,
105.782

 9, 56.260, 105.782

 99, 56.260,
105.782

 0, 56.260, 105.782

 49, 56.260,

 49, 56.260,

105.782

105.782

■ 49, 56.223,
105.790

■ 49, 53.797,
105.904

■ 49, 50.503,
106.155

■ 49, 45.973,
106.609

■ 49, 40.508,
107.219

■ 50, 34.398,
107.940

■ 50, 27.868,
108.733

■ 50, 21.074,
109.567

■ 50, 14.121,
110.420

Harmonies

Complementary

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



49, 56.260, 105.782



12, 77.194, 306.526

Rectangle

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



49, 56.260, 105.782



49, 56.260, 155.782



49, 56.260, 285.782



49, 56.260, 335.782

Sweetspot

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



49, 56.223, 105.790



64, 26.061, 109.506



24, 58.362, 38.660



33, 17.639, 109.222



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 56.223, 105.790



63, 67.924, 105.861



45, 63.473, 128.519



26, 4.001, 111.351



50, 57.235, 105.798



95, 96.365, 105.955

Inverse Universe

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



12, 77.194, 306.526



18, 93.347, 306.463



18, 71.496, 313.088



23, 4.084, 292.937



13, 78.592, 306.519



32, 132.583, 306.387

Previews

White Background



This preview shows how the CIELCh color 49, 56.260, 105.782 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 49, 56.260, 105.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

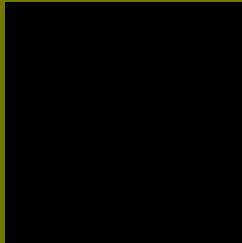
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 56.260, 105.782

Background



This preview shows how black text looks on a background with the CIELCh color 49, 56.260, 105.782.



This preview shows how white text looks on a background with the CIELCh color 49, 56.260, 105.782.

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, 56.260, 105.782

Protanopia

49, 54.958, 95.704

Deuteranopia

49, 51.396, 82.713



Tritanopia
49, 6.919, 330.389

Trichromacy



Original Color
49, 56.260, 105.782

Protanomaly
49, 55.240, 99.830

Deuteranomaly
49, 52.198, 91.256

Tritanomaly
48, 22.154, 101.329

Monochromacy



Original Color
49, 56.260, 105.782

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 26.114, 108.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 56.260, 105.782 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(116, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 122, 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(116, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 122, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 56.260, 105.782 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(116, 122, 0) }
```

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

```
.border{ border-color:rgb(116, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 122,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 56.260, 105.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 122, 0) }
```

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

```
.background{ background-color: rgb(116,  
122, 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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