

Converting Colors

CIELCh(50, 57.286, 106.501)

Have a look what the booklet for
CIELCh(50, 57.286, 106.501)
contains.

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Color

CIELCh(50, 57.315, 106.664)

Conversions

Conversions Part 1

Format	Color
Hex	757D00
RGB	117, 125, 0
RGB Percent	46%, 49%, 0%
CMY	0.5416, 0.5102, 1.0000
CMYK	0.06, 0.00, 1.00, 0.51
HSL	64°, 100%, 24%
HSV	64°, 100%, 49%
XYZ	14.6441, 18.4187, 2.7790
YIQ	108.3580, 35.3570, -40.5710

Conversions

Conversions Part 2

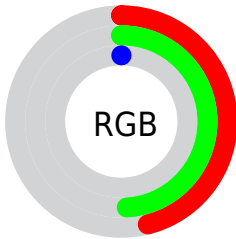
Format	Color
RYB	0, 125, 8
Decimal	7699712
CIELab	50.00, -16.44, 54.91
CIELCh	50, 57.315, 106.664
Yxy	18.4187, 0.4086, 0.5139
Android (android.graphics.Color)	4285889792 (0xFF757D00)
YUV	108.3580, -53.4205, 7.5790
Hunter-Lab	42.9170, -14.1971, 26.2027

Details

The CIELCh color **50, 57.315, 106.664** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 78.487, 306.589**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 57.164, 106.644**, and **30, 40.850, 110.819** is the 20% darker color. If you saturate the color by 10%, you get **50, 57.287, 106.671**, and if you desaturate by 10%, it is **50, 54.864, 106.721**.

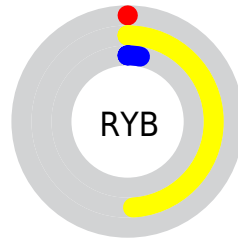
Distribution



Red (46%)

Green (49%)

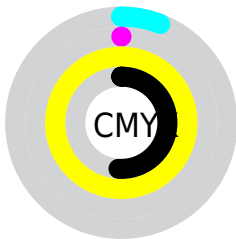
Blue (0%)



Red (0%)

Yellow (49%)

Blue (3%)

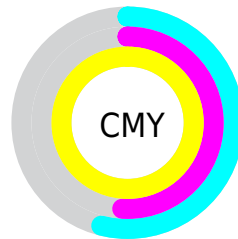


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (54%)


Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 57.315, 106.664 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 50, 57.315, 106.664 by changing the saturation by 10% instead.


 50, 57.315,
106.664


 50, 57.315,
106.664


 100, 57.315,
106.664


 40, 57.315,
106.664

 70, 57.315,
106.664


 30, 57.315,
106.664

 80, 57.315,
106.664

 20, 57.315,
106.664

 90, 57.315,
106.664

 10, 57.315,
106.664

 0, 57.315, 106.664

 50, 57.315,
106.664

 50, 57.315,
106.664

■ 50, 57.287,
106.671

■ 50, 54.864,
106.721

■ 50, 51.522,
106.922

■ 50, 46.912,
107.338

■ 51, 41.343,
107.920

■ 51, 35.111,
108.618

■ 51, 28.448,
109.390

■ 51, 21.513,
110.205

■ 52, 14.416,
111.039

■ 52, 7.226, 111.873

Harmonies

Complementary

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



50, 57.315, 106.664



13, 78.487, 306.589

Rectangle

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



50, 57.315, 106.664



50, 57.315, 156.664



50, 57.315, 286.664



50, 57.315, 336.664

Sweetspot

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



50, 57.287, 106.671



66, 26.759, 110.145



25, 59.363, 39.197



34, 18.118, 109.862



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 57.287, 106.671



64, 69.611, 106.763



46, 64.957, 129.063



26, 4.003, 111.952



50, 57.299, 106.671



95, 96.484, 106.874

Inverse Universe

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



13, 78.487, 306.589



19, 95.485, 306.507



19, 72.533, 313.469



23, 4.086, 293.496



13, 78.505, 306.589



32, 132.503, 306.424

Previews

White Background



This preview shows how the CIELCh color 50, 57.315, 106.664 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 CIE LCh color 50, 57.315, 106.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

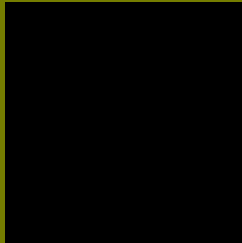
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 57.315, 106.664

Background



This preview shows how black text looks on a background with the CIELCh color 50, 57.315, 106.664.



This preview shows how white text looks on a background with the CIELCh color 50, 57.315, 106.664.

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

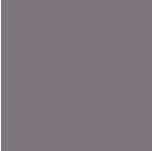
50, 57.315, 106.664

Protanopia

50, 55.683, 95.312

Deuteranopia

50, 52.154, 83.137



Tritanopia
50, 6.639, 327.680

Trichromacy



Original Color
50, 57.315, 106.664

Protanomaly
50, 55.930, 99.378

Deuteranomaly
50, 52.918, 92.030

Tritanomaly
49, 22.584, 102.604

Monochromacy



Original Color
50, 57.315, 106.664

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 26.070, 109.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 57.315, 106.664 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(117, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 125, 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(117, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 125, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 57.315, 106.664 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(117, 125, 0) }
```

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

```
.border{ border-color:rgb(117, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 125,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 57.315, 106.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 125, 0) }
```

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

```
.background{ background-color: rgb(117,  
125, 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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