

Converting Colors

CIELCh(48, 57.717, 113.630)

Have a look what the booklet for
CIELCh(48, 57.717, 113.630)
contains.

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Color

CIELCh(48, 57.717, 113.630)

Conversions

Conversions Part 1

Format	Color
Hex	647B00
RGB	100, 123, 0
RGB Percent	39%, 48%, 0%
CMY	0.6089, 0.5187, 1.0000
CMYK	0.19, 0.00, 1.00, 0.52
HSL	71°, 100%, 24%
HSV	71°, 100%, 48%
XYZ	12.2740, 16.7945, 2.5830
YIQ	102.1010, 25.7750, -43.1290

Conversions

Conversions Part 2

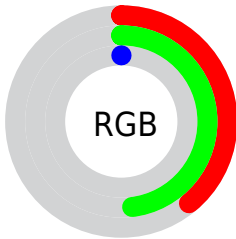
Format	Color
RYB	0, 123, 23
Decimal	6585088
CIELab	48.00, -23.13, 52.88
CIELCh	48, 57.717, 113.630
Yxy	16.7945, 0.3878, 0.5306
Android (android.graphics.Color)	4284775168 (0xFF647B00)
YUV	102.1010, -50.3358, -1.8426
Hunter-Lab	40.9810, -18.2554, 24.9497

Details

The CIELCh color **48, 57.717, 113.630** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 76.562, 307.394**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 57.510, 113.571**, and **28, 41.853, 120.175** is the 20% darker color. If you saturate the color by 10%, you get **48, 57.636, 113.656**, and if you desaturate by 10%, it is **48, 55.021, 113.324**.

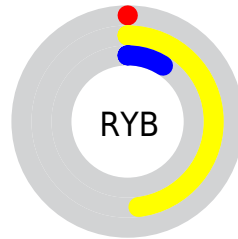
Distribution



Red (39%)

Green (48%)

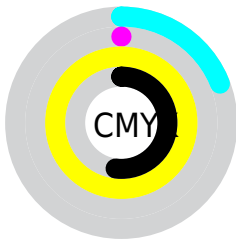
Blue (0%)



Red (0%)

Yellow (48%)

Blue (9%)

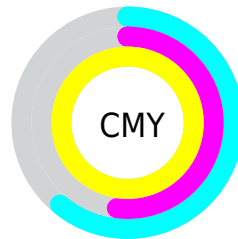


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (61%)


Magenta (52%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 57.717, 113.630 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, 57.717, 113.630 by changing the saturation by 10% instead.


 48, 57.717,
113.630


 48, 57.717,
113.630


 100, 57.717,
113.630


 38, 57.717,
113.630


 68, 57.717,
113.630


 28, 57.717,
113.630


 78, 57.717,
113.630

 18, 57.717,
113.630

 88, 57.717,
113.630

 8, 57.717, 113.630

 98, 57.717,
113.630

 0, 57.717, 113.630

 48, 57.717,

 48, 57.717,

113.630

113.630

■ 48, 57.636,
113.656

■ 48, 55.021,
113.324

■ 48, 51.546,
113.186

■ 49, 46.851,
113.344

■ 49, 41.238,
113.719

■ 49, 34.992,
114.239

■ 50, 28.334,
114.847

■ 50, 21.416,
115.503

■ 51, 14.344,
116.178

Harmonies

Complementary

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



48, 57.717, 113.630



13, 76.562, 307.394

Rectangle

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



48, 57.717, 113.630



48, 57.717, 163.630



48, 57.717, 293.630



48, 57.717, 343.630

Sweetspot

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



48, 57.636, 113.656



64, 26.680, 115.453



26, 56.338, 42.646



33, 18.300, 115.222



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 57.636, 113.656



62, 70.166, 113.906



45, 66.519, 132.359



26, 4.039, 116.915



49, 58.383, 113.674



93, 98.495, 114.216

Inverse Universe

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



13, 76.562, 307.394



19, 93.344, 307.225



21, 69.773, 317.182



23, 4.118, 298.140



14, 77.563, 307.381



33, 131.235, 307.037

Previews

White Background



This preview shows how the CIELCh color 48, 57.717, 113.630 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 48, 57.717, 113.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

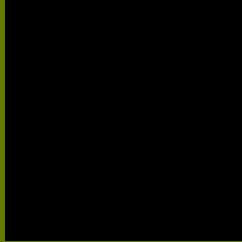
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 57.717, 113.630

Background



This preview shows how black text looks on a background with the CIELCh color 48, 57.717, 113.630.



This preview shows how white text looks on a background with the CIELCh color 48, 57.717, 113.630.

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, 57.717, 113.630

Protanopia
48, 53.971, 95.537

Deuteranopia
48, 49.378, 83.160



Tritanopia
48, 5.501, 274.457

Trichromacy



Original Color
48, 57.717, 113.630

Protanomaly
48, 54.503, 102.342

Deuteranomaly
47, 50.601, 95.463

Tritanomaly
47, 23.141, 119.231

Monochromacy



Original Color
48, 57.717, 113.630

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 26.513, 115.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 57.717, 113.630 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(100, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 123, 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(100, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 123, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 57.717, 113.630 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(100, 123, 0) }
```

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

```
.border{ border-color:rgb(100, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 123,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 57.717, 113.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 123, 0) }
```

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

```
.background{ background-color: rgb(100,  
123, 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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