

Converting Colors

CIELCh(48, 59.488, 117.680)

Have a look what the booklet for
CIELCh(48, 59.488, 117.680)
contains.

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Color

CIELCh(48, 59.625, 118.047)

Conversions

Conversions Part 1

Format	Color
Hex	5B7D00
RGB	91, 125, 0
RGB Percent	36%, 49%, 0%
CMY	0.6444, 0.5110, 1.0000
CMYK	0.27, 0.00, 1.00, 0.51
HSL	76°, 100%, 24%
HSV	76°, 100%, 49%
XYZ	11.5737, 16.7945, 2.6176
YIQ	100.5840, 19.8610, -46.0830

Conversions

Conversions Part 2

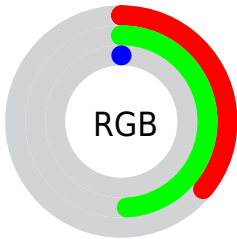
Format	Color
RYB	0, 125, 34
Decimal	5995776
CIELab	48.00, -28.04, 52.62
CIELCh	48, 59.625, 118.047
Yxy	16.7945, 0.3735, 0.5420
Android (android.graphics.Color)	4284185856 (0xFF5B7D00)
YUV	100.5840, -49.5879, -8.4052
Hunter-Lab	40.9810, -21.3055, 24.8997

Details

The CIELCh color **48, 59.625, 118.047** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14, 76.484, 308.284**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 59.818, 118.061**, and **28, 44.570, 126.017** is the 20% darker color. If you saturate the color by 10%, you get **48, 59.530, 118.083**, and if you desaturate by 10%, it is **48, 56.734, 117.546**.

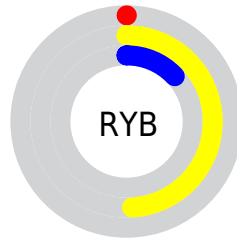
Distribution



Red (36%)

Green (49%)

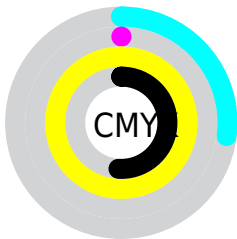
Blue (0%)



Red (0%)

Yellow (49%)

Blue (13%)

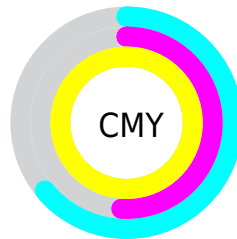


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (64%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 59.625, 118.047 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, 59.625, 118.047 by changing the saturation by 10% instead.


 48, 59.625,
118.047


 48, 59.625,
118.047


 100, 59.625,
118.047

 38, 59.625,
118.047

 68, 59.625,
118.047

 28, 59.625,
118.047

 78, 59.625,
118.047

 18, 59.625,
118.047

 88, 59.625,
118.047

 8, 59.625, 118.047

 98, 59.625,
118.047

 0, 59.625, 118.047

 48, 59.625,

 48, 59.625,

118.047

118.047

■ 48, 59.530,
118.083

■ 48, 56.734,
117.546

■ 49, 53.060,
117.228

■ 49, 48.165,
117.250

■ 49, 42.354,
117.516

■ 50, 35.912,
117.942

■ 50, 29.059,
118.463

■ 51, 21.951,
119.033

■ 51, 14.693,
119.621

Harmonies

Complementary

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



48, 59.625, 118.047



14, 76.484, 308.284

Rectangle

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



48, 59.625, 118.047



48, 59.625, 168.047



48, 59.625, 298.047



48, 59.625, 348.047

Sweetspot

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



48, 59.530, 118.083



65, 27.345, 118.990



28, 55.225, 46.306



33, 18.522, 118.791



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, 59.530, 118.083



62, 72.555, 118.409



45, 68.517, 133.852



26, 4.081, 120.264



48, 59.621, 118.086



92, 100.775, 118.800

Inverse Universe

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



14, 76.484, 308.284



21, 93.312, 308.070



23, 69.596, 319.814



23, 4.155, 301.309



15, 76.601, 308.282



35, 129.737, 307.831

Previews

White Background



This preview shows how the CIELCh color 48, 59.625, 118.047 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, 59.625, 118.047 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, 59.625, 118.047

Background



This preview shows how black text looks on a background with the CIELCh color 48, 59.625, 118.047.



This preview shows how white text looks on a background with the CIELCh color 48, 59.625, 118.047.

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

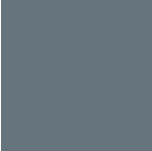
48, 59.625, 118.047

Protanopia

48, 53.971, 95.537

Deuteranopia

48, 49.054, 83.076



Tritanopia
48, 7.405, 244.969

Trichromacy



Original Color
48, 59.625, 118.047

Protanomaly
48, 54.885, 104.869

Deuteranomaly
47, 50.456, 97.727

Tritanomaly
47, 24.427, 128.966

Monochromacy



Original Color
48, 59.625, 118.047

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 26.810, 118.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 59.625, 118.047 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(91, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 125, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 59.625, 118.047 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(91, 125, 0) }
```

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

```
.border{ border-color:rgb(91, 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(91, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 125, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 59.625, 118.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 125, 0) }
```

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

```
.background{ background-color: rgb(91, 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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