

Converting Colors

CIELCh(50, 58.640, 110.251)

Have a look what the booklet for
CIELCh(50, 58.640, 110.251)
contains.

CIELCh(50, 58.480, 110.716)	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(50, 58.480, 110.716)

Conversions

Conversions Part 1

Format	Color
Hex	6E7F00
RGB	110, 127, 0
RGB Percent	43%, 50%, 0%
CMY	0.5696, 0.5028, 1.0000
CMYK	0.13, 0.00, 1.00, 0.50
HSL	68°, 100%, 25%
HSV	68°, 100%, 50%
XYZ	13.9584, 18.4187, 2.8087
YIQ	107.4390, 30.6350, -43.1010

Conversions

Conversions Part 2

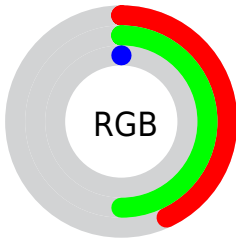
Format	Color
RYB	0, 127, 17
Decimal	7241472
CIELab	50.00, -20.69, 54.70
CIELCh	50, 58.480, 110.716
Yxy	18.4187, 0.3967, 0.5235
Android (android.graphics.Color)	4285431552 (0xFF6E7F00)
YUV	107.4390, -52.9674, 2.2460
Hunter-Lab	42.9170, -17.0491, 26.1617

Details

The CIELCh color **50, 58.480, 110.716** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14, 78.868, 306.962**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 58.743, 110.775**, and **30, 42.520, 116.527** is the 20% darker color. If you saturate the color by 10%, you get **50, 58.409, 110.735**, and if you desaturate by 10%, it is **50, 55.905, 110.538**.

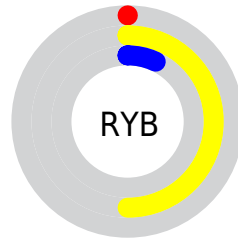
Distribution



Red (43%)

Green (50%)

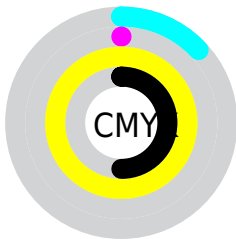
Blue (0%)



Red (0%)

Yellow (50%)

Blue (7%)

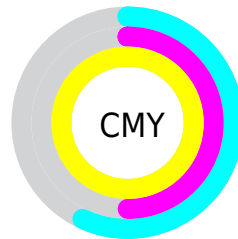


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (57%)


Magenta (50%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 58.480, 110.716 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, 58.480, 110.716 by changing the saturation by 10% instead.


 50, 58.480,
110.716


 50, 58.480,
110.716


 100, 58.480,
110.716


 40, 58.480,
110.716


 70, 58.480,
110.716

 30, 58.480,
110.716


 80, 58.480,
110.716


 20, 58.480,
110.716

 90, 58.480,
110.716

 10, 58.480,
110.716

 0, 58.480, 110.716

 50, 58.480,
110.716

 50, 58.480,
110.716

■ 50, 58.409,
110.735

■ 50, 55.905,
110.538

■ 50, 52.462,
110.528

■ 51, 47.742,
110.786

■ 51, 42.059,
111.242

■ 51, 35.711,
111.834

■ 51, 28.928,
112.510

■ 52, 21.873,
113.232

■ 52, 14.655,
113.973

■ 53, 7.345, 114.714

Harmonies

Complementary

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



50, 58.480, 110.716



14, 78.868, 306.962

Rectangle

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



50, 58.480, 110.716



50, 58.480, 160.716



50, 58.480, 290.716



50, 58.480, 340.716

Sweetspot

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



50, 58.409, 110.735



66, 27.221, 113.179



26, 58.896, 41.180



35, 18.669, 112.920



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 58.409, 110.735



64, 71.057, 110.917



47, 67.258, 131.305



27, 4.159, 114.780



50, 58.650, 110.740



0, 0.000, 0.000

Inverse Universe

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



14, 78.868, 306.962



20, 96.087, 306.833



21, 72.101, 315.681



24, 4.244, 296.146



14, 79.196, 306.959



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 58.480, 110.716 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 CIELCh color 50, 58.480, 110.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

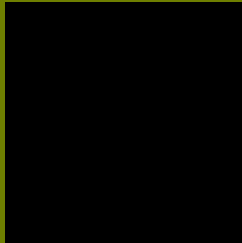
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 58.480, 110.716

Background



This preview shows how black text looks on a background with the CIELCh color 50, 58.480, 110.716.



This preview shows how white text looks on a background with the CIELCh color 50, 58.480, 110.716.

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, 58.480, 110.716

Protanopia
50, 55.683, 95.312

Deuteranopia
50, 51.562, 82.992



Tritanopia
50, 5.341, 299.301

Trichromacy



Original Color
50, 58.480, 110.716

Protanomaly
50, 56.174, 101.376

Deuteranomaly
50, 52.652, 94.179

Tritanomaly
49, 23.134, 112.620

Monochromacy



Original Color
50, 58.480, 110.716

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 26.739, 112.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 58.480, 110.716 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(110, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 127, 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(110, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 58.480, 110.716 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(110, 127, 0) }
```

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

```
.border{ border-color:rgb(110, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 127,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 58.480, 110.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 127, 0) }
```

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

```
.background{ background-color: rgb(110,  
127, 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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