

Converting Colors

CIELCh(50, 54.473, 103.369)

Have a look what the booklet for
CIELCh(50, 54.473, 103.369)
contains.

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Color

CIELCh(50, 54.359, 103.112)

Conversions

Conversions Part 1

Format	Color
Hex	7B7B0B
RGB	123, 123, 11
RGB Percent	48%, 48%, 4%
CMY	0.5174, 0.5174, 0.9565
CMYK	0.00, 0.00, 0.91, 0.52
HSL	60°, 83%, 26%
HSV	60°, 91%, 48%
XYZ	15.3271, 18.4187, 3.0668
YIQ	110.2320, 35.9520, -34.8320

Conversions

Conversions Part 2

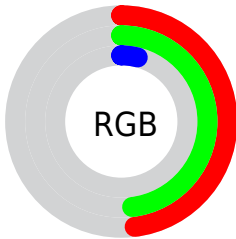
Format	Color
R_{YB}	11, 123, 11
Decimal	8092427
CIE _{Lab}	50.00, -12.33, 52.94
CIE _{LCh}	50, 54.359, 103.112
Yxy	18.4187, 0.4164, 0.5003
Android (android.graphics.Color)	4286282507 (0xFF7B7B0B)
YUV	110.2320, -48.9214, 11.1975
Hunter-Lab	42.9170, -11.3564, 25.8051

Details

The CIELCh color **50, 54.359, 103.112** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **14, 72.894, 305.050**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 54.192, 102.822**, and **30, 40.081, 105.836** is the 20% darker color. If you saturate the color by 10%, you get **50, 56.509, 102.852**, and if you desaturate by 10%, it is **50, 51.207, 103.504**.

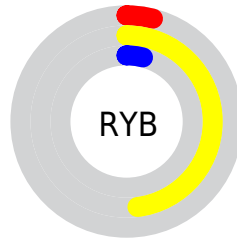
Distribution



Red (48%)

Green (48%)

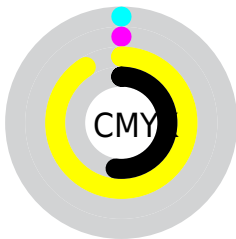
Blue (4%)



Red (4%)

Yellow (48%)

Blue (4%)

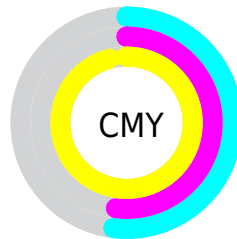


Cyan (0%)

Magenta (0%)

Yellow (91%)

Black (52%)



Cyan (52%)


Magenta (52%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 54.359, 103.112 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, 54.359, 103.112 by changing the saturation by 10% instead.


 50, 54.359,
103.112


 50, 54.359,
103.112


 100, 54.359,
103.112


 40, 54.359,
103.112


 70, 54.359,
103.112

 30, 54.359,
103.112

 80, 54.359,
103.112


 20, 54.359,
103.112

 90, 54.359,
103.112

 10, 54.359,
103.112

 0, 54.359, 103.112

 50, 54.359,
103.112

 50, 54.359,
103.112

■ 50, 56.509,
102.852

■ 50, 51.207,
103.504

■ 50, 46.774,
104.061

■ 50, 41.360,
104.755

■ 50, 35.263,
105.549

■ 51, 28.721,
106.411

■ 51, 21.899,
107.314

■ 51, 14.909,
108.238

■ 51, 7.824, 109.163

■ 52, 0.693, 110.024

Harmonies

Complementary

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



50, 54.359, 103.112



14, 72.894, 305.050

Rectangle

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



50, 54.359, 103.112



50, 54.359, 153.112



50, 54.359, 283.112



50, 54.359, 333.112

Sweetspot

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



50, 54.359, 103.114



65, 23.787, 107.619



25, 55.031, 35.519



34, 16.126, 107.365



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, 54.359, 103.114



64, 68.599, 102.852



46, 59.988, 126.324



26, 3.997, 109.340



51, 57.133, 102.852



96, 96.175, 102.852

Inverse Universe

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



14, 72.894, 305.050



18, 94.724, 306.287



19, 68.661, 312.060



23, 4.080, 291.071



12, 78.890, 306.287



32, 132.800, 306.287

Previews

White Background



This preview shows how the CIELCh color 50, 54.359, 103.112 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, 54.359, 103.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

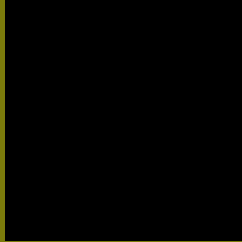
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 54.359, 103.112

Background



This preview shows how black text looks on a background with the CIELCh color 50, 54.359, 103.112.



This preview shows how white text looks on a background with the CIELCh color 50, 54.359, 103.112.

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, 54.359, 103.112

Protanopia

50, 53.885, 95.301

Deuteranopia

50, 51.862, 83.066



Tritanopia
50, 8.666, 343.096

Trichromacy



Original Color
50, 54.359, 103.112

Protanomaly
50, 53.732, 97.927

Deuteranomaly
50, 52.177, 90.913

Tritanomaly
49, 20.923, 93.752

Monochromacy



Original Color
50, 54.359, 103.112

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 23.760, 106.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 54.359, 103.112 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(123, 123, 11)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 11)  
}
```

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(123, 123, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 54.359, 103.112 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(123, 123, 11) }
```

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

```
.border{ border-color:rgb(123, 123, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 11);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 54.359, 103.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 11) }
```

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

```
.background{ background-color: rgb(123,  
123, 11) }
```

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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