

Converting Colors

CIELCh(52, 70.003, 106.738)

Have a look what the booklet for
CIELCh(52, 70.003, 106.738)
contains.

CIELCh(52, 59.508, 108.749)	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(52, 59.508, 108.749)

Conversions

Conversions Part 1

Format	Color
Hex	768300
RGB	118, 131, 0
RGB Percent	46%, 51%, 0%
CMY	0.5365, 0.4856, 0.9988
CMYK	0.10, 0.00, 1.00, 0.49
HSL	66°, 100%, 26%
HSV	66°, 100%, 51%
XYZ	15.6375, 20.1443, 3.0728
YIQ	112.1790, 34.3030, -43.4970

Conversions

Conversions Part 2

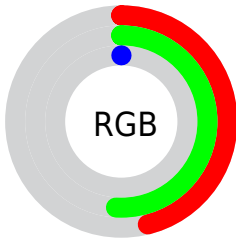
Format	Color
RYB	0, 131, 13
Decimal	7766784
CIELab	52.00, -19.13, 56.35
CIELCh	52, 59.508, 108.749
Yxy	20.1443, 0.4025, 0.5185
Android (android.graphics.Color)	4285956864 (0xFF768300)
YUV	112.1790, -55.3042, 5.1050
Hunter-Lab	44.8824, -16.3531, 27.3585

Details

The CIELCh color **52, 59.508, 108.749** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14, 80.975, 306.708**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 59.772, 108.961**, and **32, 43.415, 113.556** is the 20% darker color. If you saturate the color by 10%, you get **52, 59.567, 108.753**, and if you desaturate by 10%, it is **52, 57.067, 108.653**.

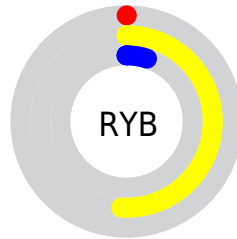
Distribution



Red (46%)

Green (51%)

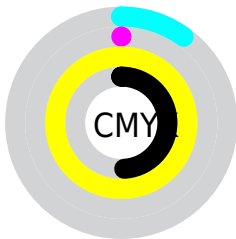
Blue (0%)



Red (0%)

Yellow (51%)

Blue (5%)

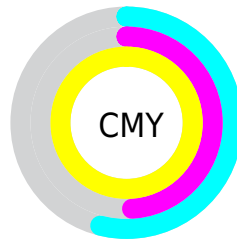


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (54%)

Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 59.508, 108.749 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 52, 59.508, 108.749 by changing the saturation by 10% instead.


 52, 59.508,
108.749

 52, 59.508,
108.749


 100, 59.508,
108.749

 42, 59.508,
108.749

 72, 59.508,
108.749

 32, 59.508,
108.749

 82, 59.508,
108.749

 22, 59.508,
108.749

 92, 59.508,
108.749

 12, 59.508,
108.749

 2, 59.508, 108.749

 0, 59.508, 108.749

■ 52, 59.508,
108.749

■ 52, 59.508,
108.749

■ 52, 59.567,
108.753

■ 52, 57.067,
108.653

■ 52, 53.579,
108.742

■ 52, 48.766,
109.077

■ 53, 42.952,
109.596

■ 53, 36.448,
110.242

■ 53, 29.494,
110.968

■ 54, 22.259,
111.739

■ 54, 14.855,

112.529

■ 54, 7.356, 113.318

Harmonies

Complementary

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



52, 59.508, 108.749



14, 80.975, 306.708

Rectangle

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



52, 59.508, 108.749



52, 59.508, 158.749



52, 59.508, 288.749



52, 59.508, 338.749

Sweetspot

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



52, 59.508, 108.751



68, 27.828, 111.666



27, 61.326, 40.113



36, 19.083, 111.385



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 59.508, 108.751



66, 72.286, 108.885



48, 67.934, 130.076



28, 4.288, 113.367



52, 59.196, 108.748



1, 1.031, 114.078

Inverse Universe

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



14, 80.975, 306.708



20, 98.564, 306.637



21, 74.558, 314.278



25, 4.377, 294.835



14, 80.606, 306.742



0, 1.032, 294.079

Previews

White Background



This preview shows how the CIELCh color 52, 59.508, 108.749 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 52, 59.508, 108.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

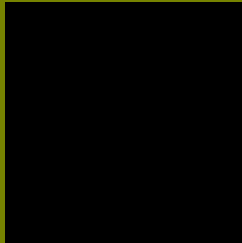
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 59.508, 108.749

Background



This preview shows how black text looks on a background with the CIELCh color 52, 59.508, 108.749.



This preview shows how white text looks on a background with the CIELCh color 52, 59.508, 108.749.

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


52, 59.508, 108.749

Protanopia

52, 57.383, 95.102

Deuteranopia

52, 53.511, 83.309



Tritanopia
52, 6.300, 312.769

Trichromacy



Original Color
52, 59.508, 108.749

Protanomaly
52, 57.850, 100.477

Deuteranomaly
52, 54.603, 93.506

Tritanomaly
51, 23.460, 108.223

Monochromacy



Original Color
52, 59.508, 108.749

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 27.627, 111.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 59.508, 108.749 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(118, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 131, 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(118, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 131, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 59.508, 108.749 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(118, 131, 0) }
```

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

```
.border{ border-color:rgb(118, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 131,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 59.508, 108.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 131, 0) }
```

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

```
.background{ background-color: rgb(118,  
131, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor