

Converting Colors

CIELCh(47, 66.964, 116.949)

Have a look what the booklet for
CIELCh(47, 66.964, 116.949)
contains.

CIELCh(47, 59.552, 119.799)	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(47, 59.552, 119.799)

Conversions

Conversions Part 1

Format	Color
Hex	557B00
RGB	85, 123, 0
RGB Percent	33%, 48%, 0%
CMY	0.6677, 0.5187, 1.0000
CMYK	0.31, 0.00, 1.00, 0.52
HSL	79°, 100%, 24%
HSV	79°, 100%, 48%
XYZ	10.7707, 16.0195, 2.5130
YIQ	97.6160, 16.8350, -46.3090

Conversions

Conversions Part 2

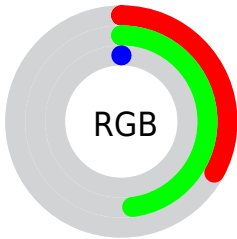
Format	Color
RYB	0, 123, 38
Decimal	5602048
CIELab	47.00, -29.59, 51.68
CIELCh	47, 59.552, 119.799
Yxy	16.0195, 0.3676, 0.5467
Android (android.graphics.Color)	4283792128 (0xFF557B00)
YUV	97.6160, -48.1247, -11.0642
Hunter-Lab	40.0243, -22.0077, 24.2944

Details

The CIELCh color **47, 59.552, 119.799** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 75.136, 308.787**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 59.489, 119.816**, and **27, 44.588, 128.141** is the 20% darker color. If you saturate the color by 10%, you get **47, 59.474, 119.831**, and if you desaturate by 10%, it is **47, 56.586, 119.250**.

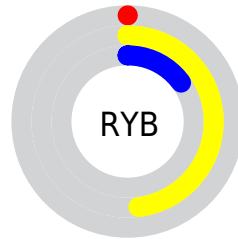
Distribution



Red (33%)

Green (48%)

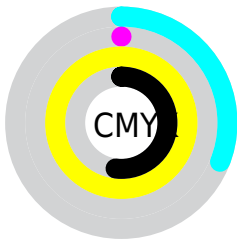
Blue (0%)



Red (0%)

Yellow (48%)

Blue (15%)

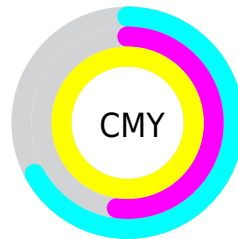


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (67%)


Magenta (52%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 59.552, 119.799 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 47, 59.552, 119.799 by changing the saturation by 10% instead.


 47, 59.552,
119.799


 47, 59.552,
119.799


 100, 59.552,
119.799

 37, 59.552,
119.799

 67, 59.552,
119.799


 27, 59.552,
119.799

 77, 59.552,
119.799

 17, 59.552,
119.799

 87, 59.552,
119.799

 7, 59.552, 119.799

 97, 59.552,
119.799

 0, 59.552, 119.799

 47, 59.552,

 47, 59.552,

119.799

119.799

■ 47, 59.474,
119.831

■ 47, 56.586,
119.250

■ 48, 52.859,
118.882

■ 48, 47.940,
118.865

■ 48, 42.128,
119.099

■ 49, 35.702,
119.494

■ 49, 28.877,
119.985

■ 50, 21.805,
120.524

■ 50, 14.591,
121.080

Harmonies

Complementary

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



47, 59.552, 119.799



15, 75.136, 308.787

Rectangle

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



47, 59.552, 119.799



47, 59.552, 169.799



47, 59.552, 299.799



47, 59.552, 349.799

Sweetspot

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



47, 59.474, 119.831



64, 27.166, 120.483



28, 53.685, 48.039



33, 18.641, 120.292



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 59.474, 119.831



61, 72.495, 120.188



45, 68.138, 134.303



25, 4.104, 121.686



48, 60.251, 119.857



91, 101.927, 120.626

Inverse Universe

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



15, 75.136, 308.787



21, 91.651, 308.553



24, 68.478, 320.947



23, 4.175, 302.663



15, 76.121, 308.770



35, 128.951, 308.279

Previews

White Background



This preview shows how the CIELCh color 47, 59.552, 119.799 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 47, 59.552, 119.799 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 47, 59.552, 119.799

Background



This preview shows how black text looks on a background with the CIELCh color 47, 59.552, 119.799.



This preview shows how white text looks on a background with the CIELCh color 47, 59.552, 119.799.

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

47, 59.552, 119.799

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 47.957, 82.530



Tritanopia
47, 8.218, 239.470

Trichromacy



Original Color
47, 59.552, 119.799

Protanomaly
46, 53.912, 105.428

Deuteranomaly
46, 49.290, 98.168

Tritanomaly
46, 25.023, 131.535

Monochromacy



Original Color
47, 59.552, 119.799

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 26.474, 119.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 59.552, 119.799 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(85, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 123, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 59.552, 119.799 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(85, 123, 0) }
```

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

```
.border{ border-color:rgb(85, 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(85, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(85, 123, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 59.552, 119.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 123, 0) }
```

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

```
.background{ background-color: rgb(85, 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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