

Converting Colors

CIELCh(47, 59.109, 120.412)

Have a look what the booklet for
CIELCh(47, 59.109, 120.412)
contains.

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Color

CIELCh(47, 59.109, 120.412)

Conversions

Conversions Part 1

Format	Color
Hex	547B03
RGB	84, 123, 3
RGB Percent	33%, 48%, 1%
CMY	0.6711, 0.5181, 0.9890
CMYK	0.32, 0.00, 0.98, 0.52
HSL	79°, 96%, 25%
HSV	79°, 98%, 48%
XYZ	10.7271, 16.0195, 2.6070
YIQ	97.6590, 15.2760, -45.5880

Conversions

Conversions Part 2

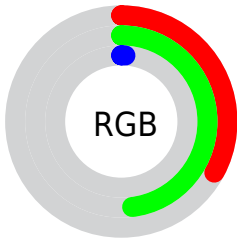
Format	Color
RYB	3, 123, 42
Decimal	5536515
CIELab	47.00, -29.92, 50.98
CIElCh	47, 59.109, 120.412
Yxy	16.0195, 0.3654, 0.5457
Android (android.graphics.Color)	4283726595 (0xFF547B03)
YUV	97.6590, -46.6669, -11.9789
Hunter-Lab	40.0243, -22.2021, 24.1551

Details

The CIELCh color $47, 59.109, 120.412$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $15, 73.729, 308.904$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 59.206, 120.328$, and $27, 44.763, 128.540$ is the 20% darker color. If you saturate the color by 10%, you get $47, 59.790, 120.535$, and if you desaturate by 10%, it is $47, 56.124, 119.809$.

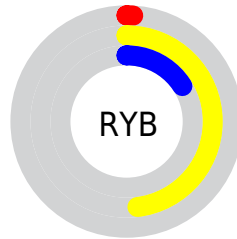
Distribution



Red (33%)

Green (48%)

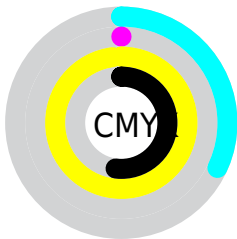
Blue (1%)



Red (1%)

Yellow (48%)

Blue (16%)

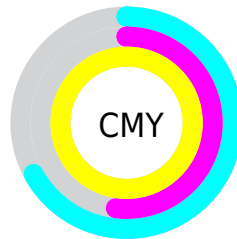


Cyan (32%)

Magenta (0%)

Yellow (98%)

Black (52%)



Cyan (67%)


Magenta (52%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 59.109, 120.412 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, 59.109, 120.412 by changing the saturation by 10% instead.

 47, 59.109,
120.412

 47, 59.109,
120.412


 100, 59.109,
120.412

 37, 59.109,
120.412

 67, 59.109,
120.412

 27, 59.109,
120.412

 77, 59.109,
120.412

 17, 59.109,
120.412

 87, 59.109,
120.412

 7, 59.109, 120.412

 97, 59.109,
120.412

 0, 59.109, 120.412

 47, 59.109,

 47, 59.109,

120.412

120.412

■ 47, 59.790,
120.535

■ 47, 56.124,
119.809

■ 48, 52.065,
119.512

■ 48, 46.880,
119.547

■ 48, 40.872,
119.813

■ 49, 34.306,
120.224

■ 49, 27.382,
120.718

■ 50, 20.241,
121.253

■ 50, 12.976,
121.798

Harmonies

Complementary

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



47, 59.109, 120.412



15, 73.729, 308.904

Rectangle

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



47, 59.109, 120.412



47, 59.109, 170.412



47, 59.109, 300.412



47, 59.109, 350.412

Sweetspot

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



47, 59.109, 120.414



64, 26.347, 121.144



29, 52.133, 49.067



33, 18.185, 120.953



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, 59.109, 120.414



60, 72.834, 120.900



45, 67.655, 134.574



25, 4.114, 122.266



48, 60.524, 120.561



91, 102.424, 121.349

Inverse Universe

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



15, 73.729, 308.904



21, 91.403, 308.765



24, 67.691, 321.568



24, 4.184, 303.218



15, 75.914, 308.988



36, 128.607, 308.483

Previews

White Background



This preview shows how the CIELCh color 47, 59.109, 120.412 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, 59.109, 120.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

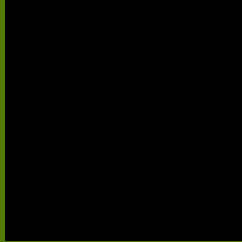
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 59.109, 120.412

Background



This preview shows how black text looks on a background with the CIELCh color 47, 59.109, 120.412.



This preview shows how white text looks on a background with the CIELCh color 47, 59.109, 120.412.

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](#).

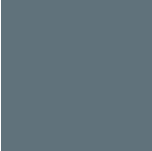
Dichromacy



Original Color
47, 59.109, 120.412

Protanopia
47, 52.981, 95.363

Deuteranopia
47, 47.616, 82.434



Tritanopia
47, 8.494, 237.873

Trichromacy



Original Color
47, 59.109, 120.412

Protanomaly
46, 53.691, 105.466

Deuteranomaly
46, 49.349, 98.783

Tritanomaly
46, 24.690, 132.943

Monochromacy



Original Color
47, 59.109, 120.412

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 26.551, 120.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 59.109, 120.412 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(84, 123, 3)` looks like.

```
.text, #text, p{  
    color:rgb(84, 123, 3)  
}
```

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(84, 123, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 123, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 59.109, 120.412 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(84, 123, 3) }
```

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

```
.border{ border-color:rgb(84, 123, 3) }
```

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

Here you see how a box with a 4 pixel rgb(84, 123, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 123, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 123, 3);  
box-shadow:4px 4px 4px 4px rgb(84, 123, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 59.109, 120.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 123, 3) }
```

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

```
.background{ background-color: rgb(84, 123,  
3) }
```

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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