

Converting Colors

CIELCh(47, 59.840, 120.552)

Have a look what the booklet for
CIELCh(47, 59.840, 120.552)
contains.

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Color

CIELCh(47, 59.840, 120.552)

Conversions

Conversions Part 1

Format	Color
Hex	537B00
RGB	83, 123, 0
RGB Percent	33%, 48%, 0%
CMY	0.6743, 0.5174, 0.9997
CMYK	0.33, 0.00, 1.00, 0.52
HSL	80°, 100%, 24%
HSV	80°, 100%, 48%
XYZ	10.6611, 16.0195, 2.5323
YIQ	97.0180, 15.6430, -46.7330

Conversions

Conversions Part 2

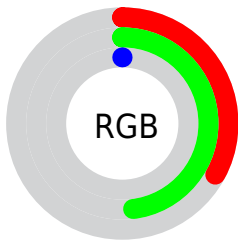
Format	Color
RYB	0, 123, 40
Decimal	5470976
CIELab	47.00, -30.42, 51.53
CIELCh	47, 59.840, 120.552
Yxy	16.0195, 0.3649, 0.5484
Android (android.graphics.Color)	4283661056 (0xFF537B00)
YUV	97.0180, -47.8299, -12.2938
Hunter-Lab	40.0243, -22.4962, 24.2658

Details

The CIELCh color **47, 59.840, 120.552** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 75.025, 309.007**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 59.734, 120.559**, and **27, 45.107, 129.304** is the 20% darker color. If you saturate the color by 10%, you get **47, 59.860, 120.557**, and if you desaturate by 10%, it is **47, 56.914, 119.950**.

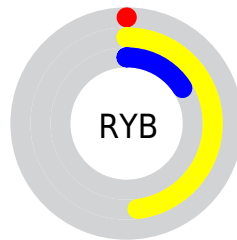
Distribution



Red (33%)

Green (48%)

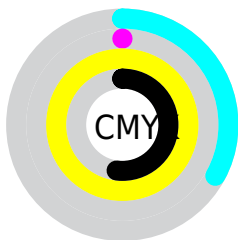
Blue (0%)



Red (0%)

Yellow (48%)

Blue (16%)

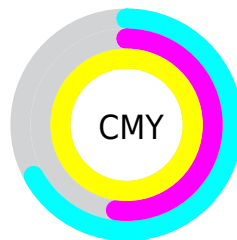


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (67%)


Magenta (52%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 59.840, 120.552 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, 59.840, 120.552 by changing the saturation by 10% instead.


 47, 59.840,
120.552


 47, 59.840,
120.552


 100, 59.840,
120.552


 37, 59.840,
120.552

 67, 59.840,
120.552


 27, 59.840,
120.552

 77, 59.840,
120.552

 17, 59.840,
120.552

 87, 59.840,
120.552

 7, 59.840, 120.552

 97, 59.840,
120.552

 0, 59.840, 120.552

 47, 59.840,

 47, 59.840,

120.552

■ 47, 59.860,
120.557

120.552

■ 47, 56.914,
119.950

■ 48, 53.137,
119.564

■ 48, 48.171,
119.534

■ 48, 42.313,
119.756

■ 49, 35.843,
120.141

■ 49, 28.976,
120.621

■ 50, 21.864,
121.149

■ 50, 14.611,
121.693

Harmonies

Complementary

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



47, 59.840, 120.552



15, 75.025, 309.007

Rectangle

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



47, 59.840, 120.552



47, 59.840, 170.552



47, 59.840, 300.552



47, 59.840, 350.552

Sweetspot

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



47, 59.840, 120.553



64, 27.244, 121.106



29, 53.361, 48.993



33, 18.695, 120.919



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, 59.840, 120.553



60, 72.844, 120.920



45, 68.428, 134.518



25, 4.114, 122.282



48, 60.531, 120.580



91, 102.438, 121.369

Inverse Universe

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



15, 75.025, 309.007



21, 91.396, 308.772



24, 68.429, 321.519



24, 4.185, 303.234



15, 75.908, 308.995



36, 128.598, 308.489

Previews

White Background



This preview shows how the CIELCh color 47, 59.840, 120.552 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, 59.840, 120.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

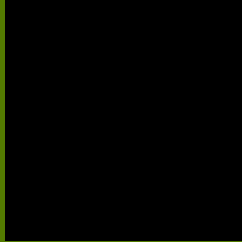
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 59.840, 120.552

Background



This preview shows how black text looks on a background with the CIELCh color 47, 59.840, 120.552.



This preview shows how white text looks on a background with the CIELCh color 47, 59.840, 120.552.

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

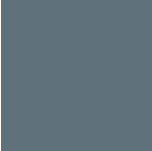
47, 59.840, 120.552

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 47.616, 82.434



Tritanopia
47, 8.774, 236.384

Trichromacy



Original Color
47, 59.840, 120.552

Protanomaly
46, 53.912, 105.428

Deuteranomaly
46, 49.575, 99.336

Tritanomaly
46, 25.399, 133.176

Monochromacy



Original Color
47, 59.840, 120.552

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 26.587, 120.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 59.840, 120.552 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(83, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 123, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 59.840, 120.552 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(83, 123, 0) }
```

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

```
.border{ border-color:rgb(83, 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(83, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 123, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 59.840, 120.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 123, 0) }
```

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

```
.background{ background-color: rgb(83, 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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