

Converting Colors

CIELCh(47, 57.114, 121.156)

Have a look what the booklet for
CIELCh(47, 57.114, 121.156)
contains.

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Color

CIELCh(47, 57.200, 121.196)

Conversions

Conversions Part 1

Format	Color
Hex	547B0D
RGB	84, 123, 13
RGB Percent	33%, 48%, 5%
CMY	0.6714, 0.5184, 0.9502
CMYK	0.32, 0.00, 0.90, 0.52
HSL	81°, 81%, 27%
HSV	81°, 90%, 48%
XYZ	10.7663, 16.0195, 2.8948
YIQ	98.7990, 12.0660, -42.4780

Conversions

Conversions Part 2

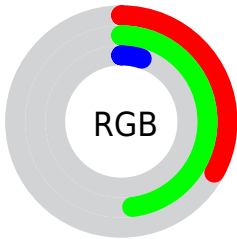
Format	Color
RYB	13, 123, 52
Decimal	5536525
CIELab	47.00, -29.63, 48.93
CIElCh	47, 57.200, 121.196
Yxy	16.0195, 0.3627, 0.5397
Android (android.graphics.Color)	4283726605 (0xFF547B0D)
YUV	98.7990, -42.2989, -12.9787
Hunter-Lab	40.0243, -22.0272, 23.7289

Details

The CIELCh color **47, 57.200, 121.196** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **18, 69.265, 309.291**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 57.263, 121.443**, and **27, 44.588, 128.141** is the 20% darker color. If you saturate the color by 10%, you get **47, 60.198, 121.832**, and if you desaturate by 10%, it is **47, 53.325, 120.794**.

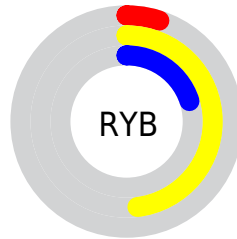
Distribution



Red (33%)

Green (48%)

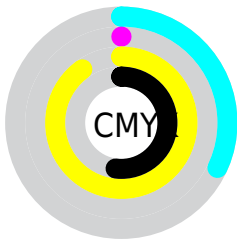
Blue (5%)



Red (5%)

Yellow (48%)

Blue (20%)

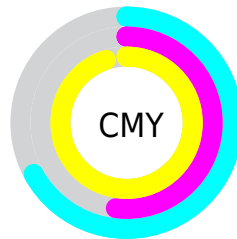


Cyan (32%)

Magenta (0%)

Yellow (90%)

Black (52%)



Cyan (67%)

Magenta (52%)

Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 57.200, 121.196 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, 57.200, 121.196 by changing the saturation by 10% instead.

 47, 57.200,
121.196


 47, 57.200,
121.196

 100, 57.200,
121.196


 37, 57.200,
121.196

 67, 57.200,
121.196


 27, 57.200,
121.196

 77, 57.200,
121.196

 17, 57.200,
121.196

 87, 57.200,
121.196

 7, 57.200, 121.196

 97, 57.200,
121.196

 0, 57.200, 121.196

 47, 57.200,

 47, 57.200,

121.196

121.196

■ 47, 60.198,
121.832

■ 47, 53.325,
120.794

■ 47, 60.301,
121.849

■ 48, 48.276,
120.749

■ 48, 42.350,
120.958

■ 49, 35.824,
121.329

■ 49, 28.909,
121.793

■ 50, 21.756,
122.303

■ 50, 14.468,
122.827

■ 51, 7.115, 123.348

Harmonies

Complementary

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



47, 57.200, 121.196



18, 69.265, 309.291

Rectangle

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



47, 57.200, 121.196



47, 57.200, 171.196



47, 57.200, 301.196



47, 57.200, 351.196

Sweetspot

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



47, 57.200, 121.197



64, 24.690, 122.407



31, 47.041, 51.827



33, 16.747, 122.264



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, 57.200, 121.197



60, 73.512, 122.230



45, 65.415, 135.093



25, 4.134, 123.379



47, 61.069, 121.877



91, 103.415, 122.697

Inverse Universe

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



18, 69.265, 309.291



22, 90.906, 309.208



26, 65.155, 322.885



24, 4.203, 304.285



16, 75.500, 309.441



36, 127.912, 308.911

Previews

White Background



This preview shows how the CIELCh color 47, 57.200, 121.196 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, 57.200, 121.196 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, 57.200, 121.196

Background



This preview shows how black text looks on a background with the CIELCh color 47, 57.200, 121.196.



This preview shows how white text looks on a background with the CIELCh color 47, 57.200, 121.196.

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

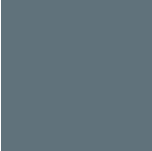
47, 57.200, 121.196

Protanopia

47, 51.217, 95.354

Deuteranopia

47, 46.908, 82.227



Tritanopia
47, 8.494, 237.873

Trichromacy



Original Color
47, 57.200, 121.196

Protanomaly
46, 51.781, 105.799

Deuteranomaly
46, 47.524, 98.227

Tritanomaly
46, 22.624, 135.495

Monochromacy



Original Color
47, 57.200, 121.196

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 24.452, 122.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 57.200, 121.196 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(84, 123, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 123, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 57.200, 121.196 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, 13) }
```

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

```
.border{ border-color:rgb(84, 123, 13) }
```

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, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 123, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 123, 13);  
box-shadow:4px 4px 4px 4px rgb(84, 123,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 57.200, 121.196 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, 13) }
```

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

```
.background{ background-color: rgb(84, 123,  
13) }
```

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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