

Converting Colors

CIELCh(47, 57.184, 296.588)

Have a look what the booklet for
CIELCh(47, 57.184, 296.588)
contains.

CIELCh(47, 57.175, 296.717)	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, 57.175, 296.717)

Conversions

Conversions Part 1

Format	Color
Hex	6365C6
RGB	99, 101, 198
RGB Percent	39%, 40%, 78%
CMY	0.6120, 0.6041, 0.2238
CMYK	0.50, 0.49, 0.00, 0.22
HSL	239°, 46%, 58%
HSV	239°, 50%, 78%
XYZ	19.9721, 16.0195, 55.4263
YIQ	111.4600, -32.3290, 29.7430

Conversions

Conversions Part 2

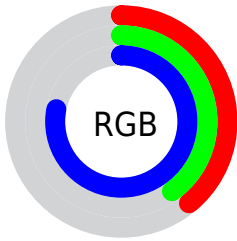
Format	Color
R _{YB}	99, 101, 198
Decimal	6514118
CIE Lab	47.00, 25.70, -51.07
CIE LCh	47, 57.175, 296.717
Yxy	16.0195, 0.2185, 0.1752
Android (android.graphics.Color)	4284704198 (0xFF6365C6)
YUV	111.4600, 42.6642, -10.9274
Hunter-Lab	40.0243, 19.0287, -54.0888

Details

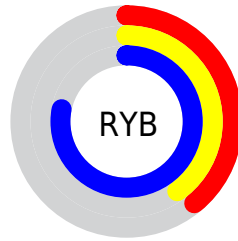
The CIELCh color $47, 57.175, 296.717$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $77, 50.036, 104.533$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 56.909, 296.539$, and $27, 57.244, 296.861$ is the 20% darker color. If you saturate the color by 10%, you get $41, 69.922, 298.883$, and if you desaturate by 10%, it is $53, 44.797, 294.775$.

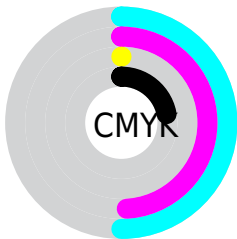
Distribution



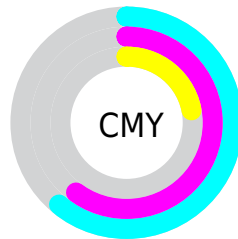
- Red (39%)
- Green (40%)
- Blue (78%)



- Red (39%)
- Yellow (40%)
- Blue (78%)



- Cyan (50%)
- Magenta (49%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 57.175, 296.717 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, 57.175, 296.717 by changing the saturation by 10% instead.

■ 47, 57.175,
296.717

■ 47, 57.175,
296.717

■ 100, 57.175,
296.717

■ 37, 57.175,
296.717

■ 67, 57.175,
296.717

■ 27, 57.175,
296.717

■ 77, 57.175,
296.717

■ 17, 57.175,
296.717

■ 87, 57.175,
296.717

■ 7, 57.175, 296.717

■ 97, 57.175,
296.717

■ 0, 57.175, 296.717

■ 47, 57.175,

■ 47, 57.175,

296.717

41, 69.922,
298.883

35, 82.670,
301.160

30, 94.545,
303.325

26, 104.005,
305.052

24, 109.680,
306.063

296.717

53, 44.797,
294.775

60, 32.900,
293.085

67, 21.492,
291.640

73, 10.545,
290.414

80, 0.025, 292.232

86, 10.101,
108.470

93, 19.862,
107.716

99, 28.764,
107.992

Harmonies

Complementary

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



47, 57.175, 296.717



77, 50.036, 104.533

Rectangle

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



47, 57.175, 296.717



47, 57.175, 346.717



47, 57.175, 116.717



47, 57.175, 166.717

Sweetspot

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



47, 57.174, 296.718



88, 19.596, 291.027



74, 30.621, 193.751



45, 13.426, 291.295



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 57.174, 296.718



52, 85.992, 299.083



51, 59.126, 310.574



38, 5.987, 290.344



19, 94.842, 306.004



1, 21.200, 291.237

Inverse Universe

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



54, 43.197, 23.645



63, 65.189, 26.281



75, 54.571, 125.563



39, 4.278, 18.282



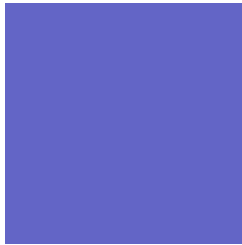
34, 73.828, 38.957



3, 15.891, 18.353

Previews

White Background



This preview shows how the CIELCh color 47, 57.175, 296.717 looks on a white background.

Color Contrast Check

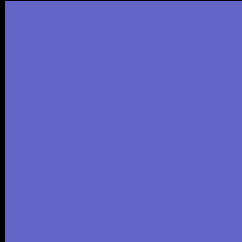
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 57.175, 296.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

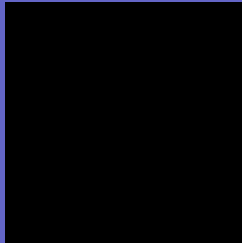
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 57.175, 296.717

Background



This preview shows how black text looks on a background with the CIELCh color 47, 57.175, 296.717.



This preview shows how white text looks on a background with the CIELCh color 47, 57.175, 296.717.

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, 57.175, 296.717

Protanopia
47, 57.450, 286.953

Deuteranopia
47, 49.697, 278.070



Tritanopia
47, 15.119, 218.786

Trichromacy



Original Color
47, 57.175, 296.717

Protanomaly
47, 57.310, 290.098

Deuteranomaly
47, 51.879, 284.183

Tritanomaly
47, 25.381, 273.424

Monochromacy



Original Color
47, 57.175, 296.717

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 21.388, 293.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 57.175, 296.717 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(99, 101, 198)` looks like.

```
.text, #text, p{  
    color:rgb(99, 101, 198)  
}
```

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(99, 101, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 101, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 57.175, 296.717 is called "border". The border property can be set on classes, ids or directly on the HTML element.

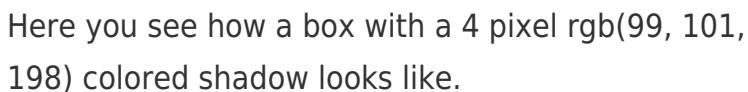
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 101, 198) }
```

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

```
.border{ border-color:rgb(99, 101, 198) }
```

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



Here you see how a box with a 4 pixel rgb(99, 101, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 101, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 101, 198);  
box-shadow:4px 4px 4px 4px rgb(99, 101,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 57.175, 296.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 101, 198) }
```

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

```
.background{ background-color: rgb(99, 101,  
198) }
```

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