

Converting Colors

CIELCh(47, 66.231, 297.063)

Have a look what the booklet for
CIELCh(47, 66.231, 297.063)
contains.

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Color

CIELCh(47, 66.403, 297.172)

Conversions

Conversions Part 1

Format	Color
Hex	5E63D4
RGB	94, 99, 212
RGB Percent	37%, 39%, 83%
CMY	0.6319, 0.6122, 0.1692
CMYK	0.56, 0.53, 0.00, 0.17
HSL	237°, 58%, 60%
HSV	237°, 56%, 83%
XYZ	20.9176, 16.0195, 64.1850
YIQ	110.3870, -39.2530, 34.0830

Conversions

Conversions Part 2

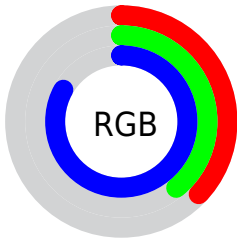
Format	Color
R_{YB}	94, 99, 212
Decimal	6185940
CIE _{Lab}	47.00, 30.32, -59.07
CIE _{LCh}	47, 66.403, 297.172
Yxy	16.0195, 0.2069, 0.1584
Android (android.graphics.Color)	4284376020 (0xFF5E63D4)
YUV	110.3870, 50.0952, -14.3714
Hunter-Lab	40.0243, 23.2456, -67.0635

Details

The CIELCh color **47, 66.403, 297.172** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **81, 57.158, 102.921**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 58.111, 296.659**, and **27, 65.893, 296.982** is the 20% darker color. If you saturate the color by 10%, you get **41, 79.678, 299.493**, and if you desaturate by 10%, it is **54, 53.391, 295.044**.

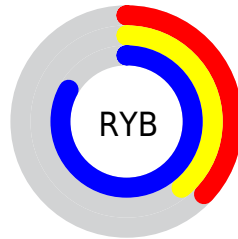
Distribution



Red (37%)

Green (39%)

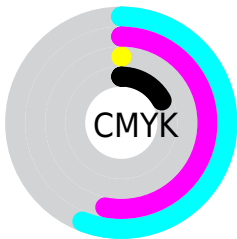
Blue (83%)



Red (37%)

Yellow (39%)

Blue (83%)

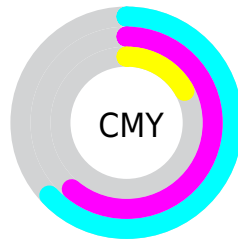


Cyan (56%)

Magenta (53%)

Yellow (0%)

Black (17%)



Cyan (63%)

Magenta (61%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 66.403, 297.172 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, 66.403, 297.172 by changing the saturation by 10% instead.

■ 47, 66.403,
297.172

■ 47, 66.403,
297.172

■ 100, 66.403,
297.172

■ 37, 66.403,
297.172

■ 67, 66.403,
297.172

■ 27, 66.403,
297.172

■ 77, 66.403,
297.172

■ 17, 66.403,
297.172

■ 87, 66.403,
297.172

■ 7, 66.403, 297.172

■ 97, 66.403,
297.172

■ 0, 66.403, 297.172

■ 47, 66.403,

■ 47, 66.403,

297.172

41, 79.678,
299.493

35, 92.648,
301.845

30, 104.117,
303.950

27, 112.328,
305.473

27, 114.542,
305.856

297.172

54, 53.391,
295.044

60, 40.845,
293.170

67, 28.805,
291.558

74, 17.251,
290.184

81, 6.148, 289.025

88, 4.537, 107.999

95, 14.838,
107.165

99, 21.794,
108.527

Harmonies

Complementary

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



47, 66.403, 297.172



81, 57.158, 102.921

Rectangle

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



47, 66.403, 297.172



47, 66.403, 347.172



47, 66.403, 117.172



47, 66.403, 167.172

Sweetspot

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



47, 66.403, 297.173



87, 21.775, 290.374



78, 35.178, 191.715



44, 14.623, 290.641



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, 66.403, 297.173



48, 94.698, 299.971



51, 69.653, 310.409



41, 6.218, 289.433



20, 97.119, 305.725



2, 26.758, 293.094

Inverse Universe

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



55, 51.158, 23.398



60, 72.746, 26.872



79, 63.348, 124.737



42, 4.552, 16.483



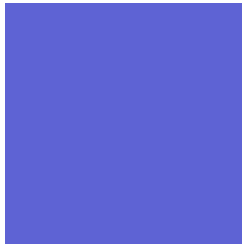
35, 75.563, 38.144



5, 21.971, 17.869

Previews

White Background



This preview shows how the CIELCh color 47, 66.403, 297.172 looks on a white background.

Color Contrast Check

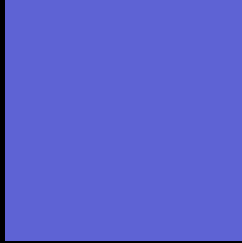
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.403, 297.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

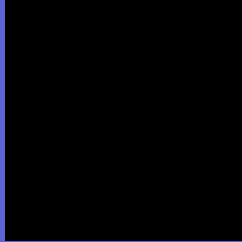
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 66.403, 297.172

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.403, 297.172.



This preview shows how white text looks on a background with the CIELCh color 47, 66.403, 297.172.

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, 66.403, 297.172

Protanopia

47, 67.392, 287.685

Deuteranopia

47, 52.428, 276.831



Tritanopia
47, 19.298, 213.715

Trichromacy



Original Color
47, 66.403, 297.172

Protanomaly
47, 67.252, 290.321

Deuteranomaly
46, 57.506, 283.197

Tritanomaly
46, 29.490, 271.163

Monochromacy



Original Color
47, 66.403, 297.172

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 24.375, 291.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.403, 297.172 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(94, 99, 212)` looks like.

```
.text, #text, p{  
    color:rgb(94, 99, 212)  
}
```

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(94, 99, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 99, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.403, 297.172 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(94, 99, 212) }
```

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

```
.border{ border-color:rgb(94, 99, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 99, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 99, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 99, 212);  
box-shadow:4px 4px 4px 4px rgb(94, 99,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.403, 297.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 99, 212) }
```

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

```
.background{ background-color: rgb(94, 99,  
212) }
```

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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