

Converting Colors

CIELCh(47, 63.783, 297.170)

Have a look what the booklet for
CIELCh(47, 63.783, 297.170)
contains.

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Color

CIELCh(47, 64.134, 297.328)

Conversions

Conversions Part 1

Format	Color
Hex	6063D0
RGB	96, 99, 208
RGB Percent	38%, 39%, 82%
CMY	0.6227, 0.6111, 0.1835
CMYK	0.54, 0.52, 0.00, 0.18
HSL	238°, 54%, 60%
HSV	238°, 54%, 82%
XYZ	20.7350, 16.0195, 61.8054
YIQ	110.5290, -36.7770, 33.2630

Conversions

Conversions Part 2

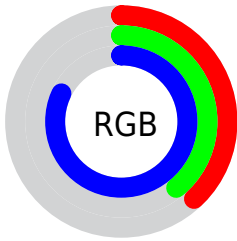
Format	Color
R_{YB}	96, 99, 208
Decimal	6317008
CIE _{Lab}	47.00, 29.44, -56.98
CIE _{LCh}	47, 64.134, 297.328
Yxy	16.0195, 0.2104, 0.1625
Android (android.graphics.Color)	4284507088 (0xFF6063D0)
YUV	110.5290, 48.0532, -12.7419
Hunter-Lab	40.0243, 22.4313, -63.5384

Details

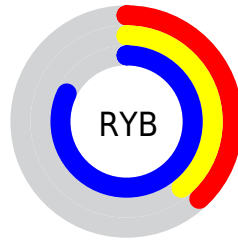
The CIELCh color $47, 64.134, 297.328$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $81, 55.381, 103.890$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 58.113, 296.933$, and $27, 64.020, 297.261$ is the 20% darker color. If you saturate the color by 10%, you get $41, 77.408, 299.579$, and if you desaturate by 10%, it is $54, 51.151, 295.275$.

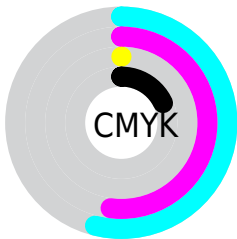
Distribution



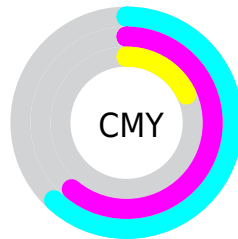
- Red (38%)
- Green (39%)
- Blue (82%)



- Red (38%)
- Yellow (39%)
- Blue (82%)



- Cyan (54%)
- Magenta (52%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (61%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 64.134, 297.328 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, 64.134, 297.328 by changing the saturation by 10% instead.

 47, 64.134,
297.328

 47, 64.134,
297.328


 100, 64.134,
297.328

 37, 64.134,
297.328

 67, 64.134,
297.328


 27, 64.134,
297.328

 77, 64.134,
297.328

 17, 64.134,
297.328

 87, 64.134,
297.328

 7, 64.134, 297.328

 97, 64.134,
297.328

 0, 64.134, 297.328

 47, 64.134,

 47, 64.134,

297.328

41, 77.408,
299.579

35, 90.439,
301.878

30, 102.071,
303.955

27, 110.540,
305.471

26, 113.703,
306.013

297.328

54, 51.151,
295.275

60, 38.644,
293.473

67, 26.647,
291.926

74, 15.139,
290.610

81, 4.085, 289.505

88, 6.550, 108.524

94, 16.798,
107.722

99, 23.629,
108.386

Harmonies

Complementary

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



47, 64.134, 297.328



81, 55.381, 103.890

Rectangle

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



47, 64.134, 297.328



47, 64.134, 347.328



47, 64.134, 117.328



47, 64.134, 167.328

Sweetspot

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



47, 64.134, 297.329



87, 20.809, 290.906



77, 33.589, 193.550



45, 14.107, 291.173



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, 64.134, 297.329



49, 93.245, 300.036



51, 66.343, 310.794



40, 6.200, 290.100



20, 96.765, 305.931



2, 25.082, 292.607

Inverse Universe

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



55, 48.772, 24.080



61, 70.960, 27.339



78, 60.788, 125.418



41, 4.459, 17.787



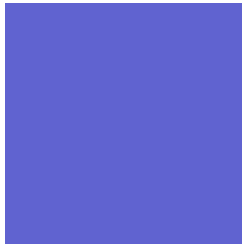
35, 75.355, 38.786



4, 20.017, 18.234

Previews

White Background



This preview shows how the CIELCh color 47, 64.134, 297.328 looks on a white background.

Color Contrast Check

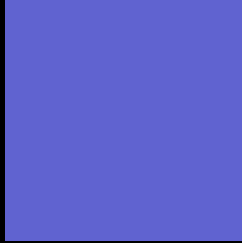
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.134, 297.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

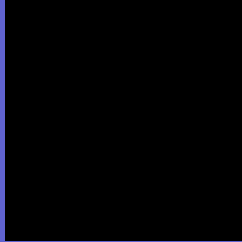
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 64.134, 297.328

Background



This preview shows how black text looks on a background with the CIELCh color 47, 64.134, 297.328.




This preview shows how white text looks on a background with the CIELCh color 47, 64.134, 297.328.

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





Tritanopia
47, 17.636, 217.536

Trichromacy



Original Color
47, 64.134, 297.328

Protanomaly
47, 64.913, 290.452

Deuteranomaly
46, 56.943, 283.019

Tritanomaly
47, 28.557, 272.999

Monochromacy



Original Color
47, 64.134, 297.328

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 23.156, 292.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 64.134, 297.328 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(96, 99, 208)` looks like.

```
.text, #text, p{  
    color:rgb(96, 99, 208)  
}
```

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(96, 99, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 99, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 64.134, 297.328 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(96, 99, 208) }
```

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

```
.border{ border-color:rgb(96, 99, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 99, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 99, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 99, 208);  
box-shadow:4px 4px 4px 4px rgb(96, 99,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 64.134, 297.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 99, 208) }
```

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

```
.background{ background-color: rgb(96, 99,  
208) }
```

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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