

Converting Colors

CIELCh(50, 60.338, 297.926)

Have a look what the booklet for
CIELCh(50, 60.338, 297.926)
contains.

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Color

CIELCh(50, 60.047, 297.770)

Conversions

Conversions Part 1

Format	Color
Hex	6D6BD2
RGB	109, 107, 210
RGB Percent	43%, 42%, 82%
CMY	0.5726, 0.5804, 0.1765
CMYK	0.48, 0.49, 0.00, 0.18
HSL	241°, 53%, 62%
HSV	241°, 49%, 82%
XYZ	23.1959, 18.4187, 63.3035
YIQ	119.3400, -31.8710, 32.4570

Conversions

Conversions Part 2

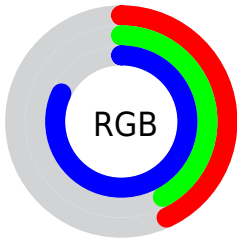
Format	Color
R _Y B	109, 107, 210
Decimal	7171026
CIE _{Lab}	50.00, 27.98, -53.13
CIE _{LCh}	50, 60.047, 297.770
Yxy	18.4187, 0.2211, 0.1756
Android (android.graphics.Color)	4285361106 (0xFF6D6BD2)
YUV	119.3400, 44.6954, -9.0682
Hunter-Lab	42.9170, 21.3718, -57.4123

Details

The CIELCh color `50, 60.047, 297.770` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `82, 52.465, 106.443`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 53.361, 297.746`, and `30, 60.028, 297.695` is the 20% darker color. If you saturate the color by 10%, you get `43, 73.646, 299.793`, and if you desaturate by 10%, it is `57, 46.815, 295.948`.

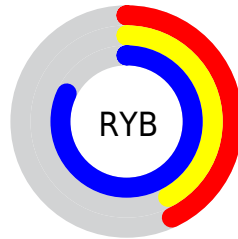
Distribution



Red (43%)

Green (42%)

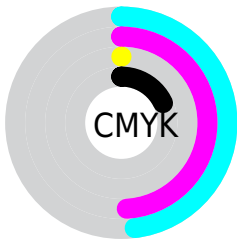
Blue (82%)



Red (43%)

Yellow (42%)

Blue (82%)

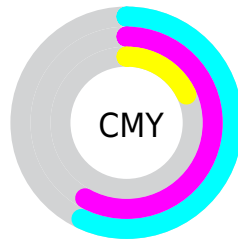


Cyan (48%)

Magenta (49%)

Yellow (0%)

Black (18%)



Cyan (57%)

Magenta (58%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 60.047, 297.770 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 50, 60.047, 297.770 by changing the saturation by 10% instead.

■ 50, 60.047,
297.770

■ 50, 60.047,
297.770

■ 100, 60.047,
297.770

■ 40, 60.047,
297.770

■ 70, 60.047,
297.770

■ 30, 60.047,
297.770

■ 80, 60.047,
297.770

■ 20, 60.047,
297.770

■ 90, 60.047,
297.770

■ 10, 60.047,
297.770

■ 0, 60.047, 297.770

■ 50, 60.047,
297.770

■ 50, 60.047,
297.770

43, 73.646,
299.793

57, 46.815,
295.948

37, 87.186,
301.906

64, 34.091,
294.360

32, 99.675,
303.883

71, 21.891,
293.000

28, 109.415,
305.402

78, 10.193,
291.845

26, 115.038,
306.262

85, 1.040, 110.799

26, 115.493,
306.336

92, 11.843,
110.016

99, 22.247,
109.307

99, 22.730,
108.455

Harmonies

Complementary

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



50, 60.047, 297.770



82, 52.465, 106.443

Rectangle

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



50, 60.047, 297.770



50, 60.047, 347.770



50, 60.047, 117.770



50, 60.047, 167.770

Sweetspot

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



50, 60.046, 297.771



88, 20.022, 292.528



78, 30.679, 198.972



45, 13.719, 292.783



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 60.046, 297.771



52, 86.229, 299.922



55, 61.058, 312.071



40, 6.374, 291.883



19, 97.924, 306.351



1, 25.568, 293.709

Inverse Universe

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



61, 64.469, 327.563



68, 88.098, 328.023



79, 56.971, 127.388



41, 7.593, 325.459



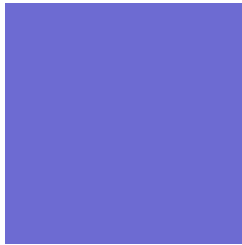
40, 83.391, 329.013



6, 30.659, 328.453

Previews

White Background



This preview shows how the CIELCh color 50, 60.047, 297.770 looks on a white background.

Color Contrast Check

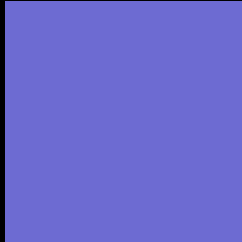
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 60.047, 297.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

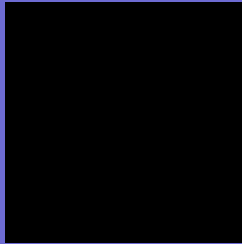
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 60.047, 297.770

Background



This preview shows how black text looks on a background with the CIELCh color 50, 60.047, 297.770.

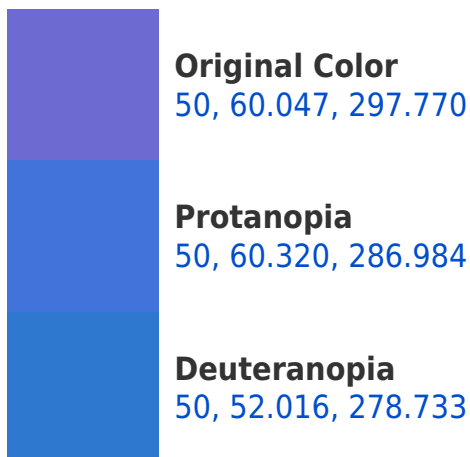


This preview shows how white text looks on a background with the CIELCh color 50, 60.047, 297.770.

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
50, 14.385, 222.345

Trichromacy



Original Color
50, 60.047, 297.770

Protanomaly
50, 60.118, 290.473

Deuteranomaly
50, 54.737, 285.377

Tritanomaly
49, 26.504, 277.216

Monochromacy



Original Color
50, 60.047, 297.770

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 21.707, 292.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 60.047, 297.770 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(109, 107, 210)` looks like.

```
.text, #text, p{  
    color:rgb(109, 107, 210)  
}
```

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(109, 107, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 107, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 60.047, 297.770 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(109, 107, 210) }
```

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

```
.border{ border-color:rgb(109, 107, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 107, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 107, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 107, 210);  
box-shadow:4px 4px 4px 4px rgb(109, 107,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 60.047, 297.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 107, 210) }
```

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

```
.background{ background-color: rgb(109,  
107, 210) }
```

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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