

Converting Colors

CIELCh(50, 51.496, 300.443)

Have a look what the booklet for
CIELCh(50, 51.496, 300.443)
contains.

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Color

CIELCh(50, 51.630, 300.597)

Conversions

Conversions Part 1

Format	Color
Hex	786BC3
RGB	120, 107, 195
RGB Percent	47%, 42%, 76%
CMY	0.5298, 0.5807, 0.2357
CMYK	0.38, 0.45, 0.00, 0.24
HSL	249°, 42%, 59%
HSV	249°, 45%, 76%
XYZ	22.8199, 18.4187, 53.9230
YIQ	120.9190, -20.5000, 30.1240

Conversions

Conversions Part 2

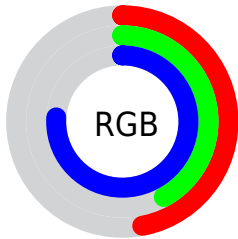
Format	Color
R _Y B	120, 107, 195
Decimal	7891907
CIE _{Lab}	50.00, 26.28, -44.44
CIE _{LCh}	50, 51.630, 300.597
Yxy	18.4187, 0.2398, 0.1936
Android (android.graphics.Color)	4286081987 (0xFF786BC3)
YUV	120.9190, 36.5219, -0.8060
Hunter-Lab	42.9170, 19.8076, -44.4531

Details

The CIELCh color **50, 51.630, 300.597** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **76, 46.079, 112.649**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 51.297, 300.369**, and **30, 52.114, 300.738** is the 20% darker color. If you saturate the color by 10%, you get **44, 64.139, 302.005**, and if you desaturate by 10%, it is **56, 39.435, 299.318**.

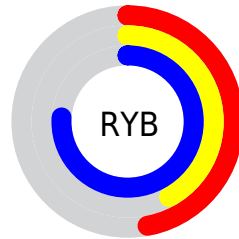
Distribution



Red (47%)

Green (42%)

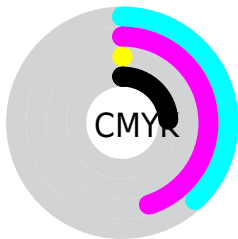
Blue (76%)



Red (47%)

Yellow (42%)

Blue (76%)

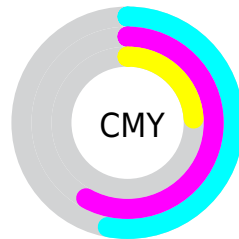


Cyan (38%)

Magenta (45%)

Yellow (0%)

Black (24%)



Cyan (53%)

Magenta (58%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 51.630, 300.597 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, 51.630, 300.597 by changing the saturation by 10% instead.

■ 50, 51.630,
300.597

■ 50, 51.630,
300.597

■ 100, 51.630,
300.597

■ 40, 51.630,
300.597

■ 70, 51.630,
300.597

■ 30, 51.630,
300.597

■ 80, 51.630,
300.597

■ 20, 51.630,
300.597

■ 90, 51.630,
300.597

■ 10, 51.630,
300.597

■ 0, 51.630, 300.597

■ 50, 51.630,
300.597

■ 50, 51.630,
300.597

44, 64.139,
302.005

56, 39.435,
299.318

38, 76.678,
303.480

63, 27.663,
298.188

33, 88.620,
304.893

69, 16.337,
297.206

28, 98.833,
306.031

75, 5.449, 296.358

82, 5.026, 115.627

25, 105.825,
306.645

88, 15.112,
115.002

24, 108.327,
306.854

94, 24.837,
114.466

99, 30.292,
109.452

99, 30.276,
107.876

Harmonies

Complementary

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



50, 51.630, 300.597



76, 46.079, 112.649

Rectangle

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



50, 51.630, 300.597



50, 51.630, 350.597



50, 51.630, 120.597



50, 51.630, 170.597

Sweetspot

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



50, 51.629, 300.597



88, 18.599, 297.122



70, 24.450, 213.020



46, 13.001, 297.323



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, 51.629, 300.597



57, 77.453, 301.961



54, 53.539, 315.537



38, 6.021, 296.700



19, 93.758, 306.931



1, 19.558, 295.123

Inverse Universe

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



58, 51.653, 331.534



69, 74.595, 332.147



73, 51.262, 131.446



38, 6.526, 329.295



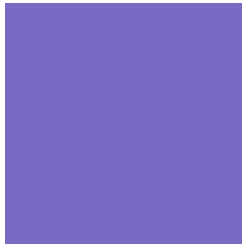
37, 72.970, 335.052



4, 21.068, 332.008

Previews

White Background



This preview shows how the CIELCh color 50, 51.630, 300.597 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, 51.630, 300.597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

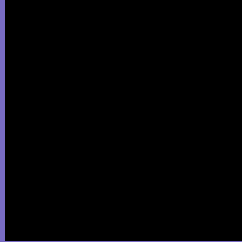
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 51.630, 300.597

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.630, 300.597.



This preview shows how white text looks on a background with the CIELCh color 50, 51.630, 300.597.

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, 8.255, 244.321

Trichromacy



Original Color
50, 51.630, 300.597

Protanomaly
50, 50.806, 290.816

Deuteranomaly
50, 45.735, 287.417

Tritanomaly
50, 22.315, 287.677

Monochromacy



Original Color
50, 51.630, 300.597

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 18.866, 298.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.630, 300.597 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(120, 107, 195)` looks like.

```
.text, #text, p{  
    color:rgb(120, 107, 195)  
}
```

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(120, 107, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 107, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.630, 300.597 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(120, 107, 195) }
```

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

```
.border{ border-color:rgb(120, 107, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 107, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 107, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 107, 195);  
box-shadow:4px 4px 4px 4px rgb(120, 107,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.630, 300.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 107, 195) }
```

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

```
.background{ background-color: rgb(120,  
107, 195) }
```

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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