

Converting Colors

CIELCh(50, 54.896, 290.089)

Have a look what the booklet for
CIELCh(50, 54.896, 290.089)
contains.

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Color

CIELCh(50, 54.897, 290.088)

Conversions

Conversions Part 1

Format	Color
Hex	5871CF
RGB	88, 113, 207
RGB Percent	35%, 44%, 81%
CMY	0.6545, 0.5565, 0.1879
CMYK	0.57, 0.45, 0.00, 0.19
HSL	227°, 55%, 58%
HSV	227°, 57%, 81%
XYZ	21.2231, 18.4187, 61.5300
YIQ	116.2410, -45.0740, 23.9340

Conversions

Conversions Part 2

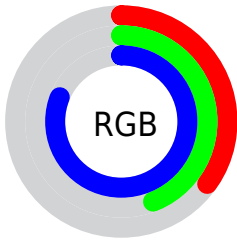
Format	Color
R _Y B	88, 109, 207
Decimal	5796303
CIE Lab	50.00, 18.86, -51.56
CIE LCh	50, 54.897, 290.088
Yxy	18.4187, 0.2098, 0.1821
Android (android.graphics.Color)	4283986383 (0xFF5871CF)
YUV	116.2410, 44.7442, -24.7674
Hunter-Lab	42.9170, 13.1662, -54.9621

Details

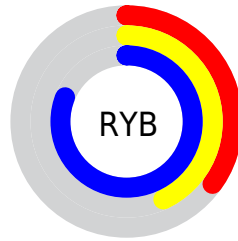
The CIELCh color `50, 54.897, 290.088` is a dark color, and the websafe version is hex `3366CC`. The color can be described as middle muted azure. A complement of this color would be `75, 50.365, 92.840`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 49.954, 289.081`, and `30, 54.787, 289.954` is the 20% darker color. If you saturate the color by 10%, you get `45, 65.549, 292.861`, and if you desaturate by 10%, it is `56, 44.590, 287.619`.

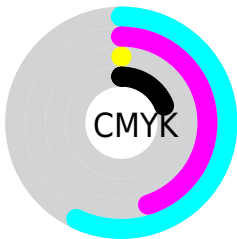
Distribution



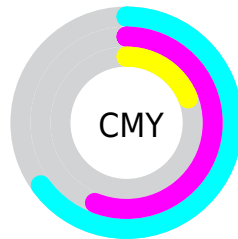
- Red (35%)
- Green (44%)
- Blue (81%)



- Red (35%)
- Yellow (43%)
- Blue (81%)



- Cyan (57%)
- Magenta (45%)
- Yellow (0%)
- Black (19%)



- Cyan (65%)
- Magenta (56%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 54.897, 290.088 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, 54.897, 290.088 by changing the saturation by 10% instead.

■ 50, 54.897,
290.088

■ 50, 54.897,
290.088

■ 100, 54.897,
290.088

■ 40, 54.897,
290.088

■ 70, 54.897,
290.088

■ 30, 54.897,
290.088

■ 80, 54.897,
290.088

■ 20, 54.897,
290.088

■ 90, 54.897,
290.088

■ 10, 54.897,
290.088

■ 0, 54.897, 290.088

■ 50, 54.897,
290.088

■ 50, 54.897,
290.088

45, 65.549,
292.861

56, 44.590,
287.619

39, 76.443,
295.851

61, 34.635,
285.471

35, 87.251,
298.888

67, 25.005,
283.624

31, 97.288,
301.700

73, 15.669,
282.046

30, 99.625,
302.312

79, 6.604, 280.707

85, 2.210, 99.444

90, 10.788, 98.502

96, 19.142, 97.640

99, 24.184,
108.344

Harmonies

Complementary

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



50, 54.897, 290.088



75, 50.365, 92.840

Rectangle

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



50, 54.897, 290.088



50, 54.897, 340.088



50, 54.897, 110.088



50, 54.897, 160.088

Sweetspot

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



50, 54.896, 290.089



88, 18.061, 282.010



76, 39.711, 175.968



46, 12.115, 282.309



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, 54.896, 290.089



53, 79.694, 293.556



46, 70.384, 305.840



41, 5.078, 280.951



24, 84.284, 301.920



3, 21.886, 287.669

Inverse Universe

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



53, 50.280, 11.246



60, 70.777, 15.046



79, 61.507, 117.977



41, 4.626, 3.314



35, 67.406, 28.278



4, 20.234, 9.757

Previews

White Background



This preview shows how the CIELCh color 50, 54.897, 290.088 looks on a white background.

Color Contrast Check

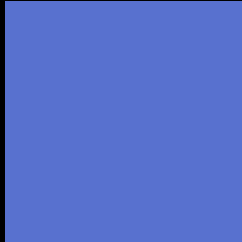
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 54.897, 290.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

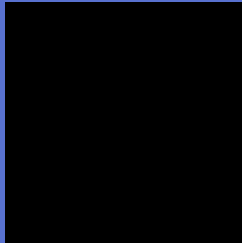
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 54.897, 290.088

Background



This preview shows how black text looks on a background with the CIELCh color 50, 54.897, 290.088.



This preview shows how white text looks on a background with the CIELCh color 50, 54.897, 290.088.

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

50, 54.897, 290.088

Protanopia

50, 55.125, 286.730

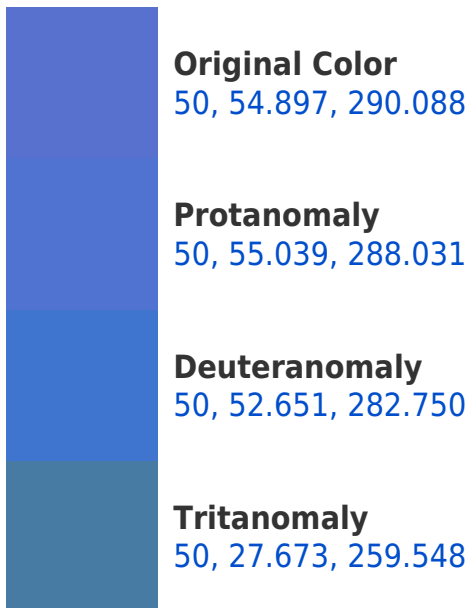
Deuteranopia

50, 50.873, 278.476



Tritanopia
50, 21.966, 212.977

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 54.897, 290.088 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(88, 113, 207)` looks like.

```
.text, #text, p{  
    color:rgb(88, 113, 207)  
}
```

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(88, 113, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 113, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 54.897, 290.088 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(88, 113, 207) }
```

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

```
.border{ border-color:rgb(88, 113, 207) }
```

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

Here you see how a box with a 4 pixel rgb(88, 113, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 113, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 113, 207);  
box-shadow:4px 4px 4px 4px rgb(88, 113,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 54.897, 290.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 113, 207) }
```

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

```
.background{ background-color: rgb(88, 113,  
207) }
```

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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