

Converting Colors

CIELCh(50, 46.415, 286.469)

Have a look what the booklet for
CIELCh(50, 46.415, 286.469)
contains.

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Color

CIELCh(50, 46.354, 286.365)

Conversions

Conversions Part 1

Format	Color
Hex	5874C3
RGB	88, 116, 195
RGB Percent	35%, 45%, 76%
CMY	0.6560, 0.5461, 0.2364
CMYK	0.55, 0.41, 0.00, 0.24
HSL	224°, 47%, 55%
HSV	224°, 55%, 76%
XYZ	20.0299, 18.4187, 53.9584
YIQ	116.6340, -42.0470, 18.6330

Conversions

Conversions Part 2

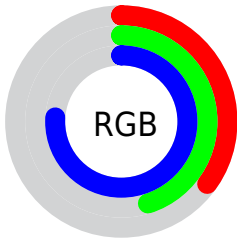
Format	Color
R _Y B	88, 110, 195
Decimal	5797059
CIE Lab	50.00, 13.06, -44.48
CIE LCh	50, 46.354, 286.365
Yxy	18.4187, 0.2168, 0.1993
Android (android.graphics.Color)	4283987139 (0xFF5874C3)
YUV	116.6340, 38.6344, -25.1120
Hunter-Lab	42.9170, 8.2036, -44.5019

Details

The CIELCh color `50, 46.354, 286.365` 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 `69, 44.151, 89.463`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 46.148, 286.325`, and `30, 46.805, 286.669` is the 20% darker color. If you saturate the color by 10%, you get `45, 55.601, 289.169`, and if you desaturate by 10%, it is `55, 37.394, 283.899`.

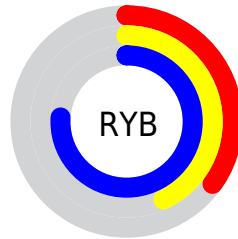
Distribution



Red (35%)

Green (45%)

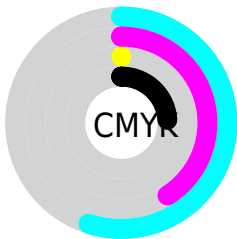
Blue (76%)



Red (35%)

Yellow (43%)

Blue (76%)

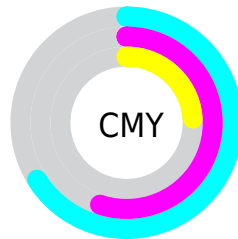


Cyan (55%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (66%)


Magenta (55%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 46.354, 286.365 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, 46.354, 286.365 by changing the saturation by 10% instead.


 50, 46.354,
286.365


 50, 46.354,
286.365


 100, 46.354,
286.365


 40, 46.354,
286.365


 70, 46.354,
286.365

 30, 46.354,
286.365


 80, 46.354,
286.365


 20, 46.354,
286.365

 90, 46.354,
286.365

 10, 46.354,
286.365

 0, 46.354, 286.365

 50, 46.354,
286.365

 50, 46.354,
286.365

45, 55.601,
289.169

55, 37.394,
283.899

40, 65.126,
292.264

60, 28.697,
281.766

36, 74.817,
295.528

66, 20.235,
279.936

32, 84.351,
298.753

71, 11.985,
278.374

30, 88.949,
300.219

76, 3.930, 277.061

81, 3.939, 95.805

87, 11.631, 94.834

92, 19.150, 93.966

96, 25.867, 99.761

Harmonies

Complementary

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



50, 46.354, 286.365



69, 44.151, 89.463

Rectangle

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



50, 46.354, 286.365



50, 46.354, 336.365



50, 46.354, 106.365



50, 46.354, 156.365

Sweetspot

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



50, 46.353, 286.366



89, 15.856, 278.562



72, 38.089, 172.366



46, 10.819, 278.877



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, 46.353, 286.366



57, 69.975, 289.790



45, 63.839, 304.212



38, 4.498, 277.606



24, 76.064, 299.769



3, 15.970, 282.823

Inverse Universe

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



52, 45.862, 6.572



61, 67.130, 9.892



75, 55.767, 115.908



38, 4.438, 359.471



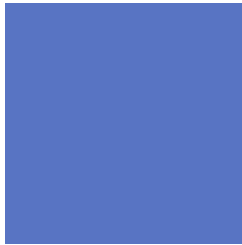
33, 63.046, 23.792



3, 14.477, 5.405

Previews

White Background



This preview shows how the CIELCh color 50, 46.354, 286.365 looks on a white background.

Color Contrast Check

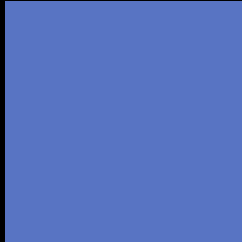
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.354, 286.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

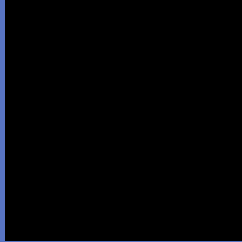
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 46.354, 286.365

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.354, 286.365.

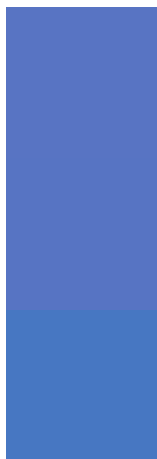


This preview shows how white text looks on a background with the CIELCh color 50, 46.354, 286.365.

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, 46.354, 286.365

Protanopia

50, 46.385, 286.075

Deuteranopia

50, 44.732, 279.622



Tritanopia
50, 20.381, 214.377

Trichromacy



Original Color
50, 46.354, 286.365

Protanomaly
50, 46.385, 286.075

Deuteranomaly
50, 45.038, 281.821

Tritanomaly
50, 24.674, 255.238

Monochromacy



Original Color
50, 46.354, 286.365

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 17.294, 280.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.354, 286.365 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, 116, 195)` looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 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(88, 116, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.354, 286.365 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, 116, 195) }
```

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

```
.border{ border-color:rgb(88, 116, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 195);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.354, 286.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 195) }
```

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

```
.background{ background-color: rgb(88, 116,  
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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