

Converting Colors

CIELCh(50, 48.061, 286.107)

Have a look what the booklet for
CIELCh(50, 48.061, 286.107)
contains.

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Color

CIELCh(50, 48.124, 286.181)

Conversions

Conversions Part 1

Format	Color
Hex	5574C6
RGB	85, 116, 198
RGB Percent	33%, 45%, 78%
CMY	0.6677, 0.5460, 0.2246
CMYK	0.57, 0.41, 0.00, 0.22
HSL	224°, 50%, 55%
HSV	224°, 57%, 78%
XYZ	20.1007, 18.4187, 55.7593
YIQ	116.0790, -44.7980, 18.9300

Conversions

Conversions Part 2

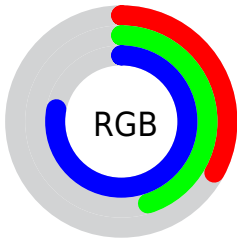
Format	Color
R _Y B	85, 109, 198
Decimal	5600454
CIE Lab	50.00, 13.41, -46.22
CIE LCh	50, 48.124, 286.181
Yxy	18.4187, 0.2132, 0.1954
Android (android.graphics.Color)	4283790534 (0xFF5574C6)
YUV	116.0790, 40.3871, -27.2563
Hunter-Lab	42.9170, 8.4982, -46.9899

Details

The CIELCh color **50, 48.124, 286.181** 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 **70, 46.018, 88.195**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 47.834, 285.868**, and **30, 48.714, 286.661** is the 20% darker color. If you saturate the color by 10%, you get **45, 57.354, 289.092**, and if you desaturate by 10%, it is **55, 39.174, 283.611**.

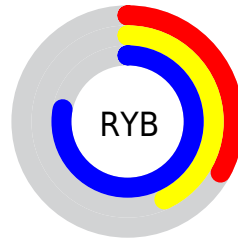
Distribution



Red (33%)

Green (45%)

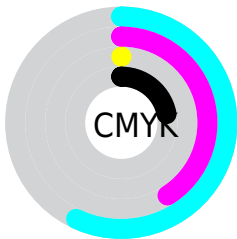
Blue (78%)



Red (33%)

Yellow (43%)

Blue (78%)

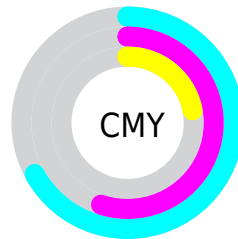


Cyan (57%)

Magenta (41%)

Yellow (0%)

Black (22%)



Cyan (67%)


Magenta (55%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 48.124, 286.181 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, 48.124, 286.181 by changing the saturation by 10% instead.


 50, 48.124,
286.181


 50, 48.124,
286.181


 100, 48.124,
286.181


 40, 48.124,
286.181


 70, 48.124,
286.181

 30, 48.124,
286.181


 80, 48.124,
286.181


 20, 48.124,
286.181

 90, 48.124,
286.181

 10, 48.124,
286.181

 0, 48.124, 286.181

 50, 48.124,
286.181

 50, 48.124,
286.181

45, 57.354,
289.092

55, 39.174,
283.611

40, 66.852,
292.284

60, 30.481,
281.384

36, 76.493,
295.622

66, 22.015,
279.471

32, 85.943,
298.872

71, 13.751,
277.838

31, 88.541,
299.701

76, 5.675, 276.453

81, 2.223, 95.119

86, 9.951, 94.144

92, 17.514, 93.243

96, 24.262, 99.155

Harmonies

Complementary

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



50, 48.124, 286.181



70, 46.018, 88.195

Rectangle

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



50, 48.124, 286.181



50, 48.124, 336.181



50, 48.124, 106.181



50, 48.124, 156.181

Sweetspot

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



50, 48.123, 286.182



89, 16.757, 277.853



73, 40.366, 170.800



46, 11.234, 278.166



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, 48.123, 286.182



56, 72.753, 289.990



44, 67.408, 304.038



39, 4.531, 276.740



25, 75.723, 299.245



3, 17.489, 283.361

Inverse Universe

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



51, 48.302, 6.157



60, 70.264, 9.892



76, 58.296, 115.063



39, 4.561, 358.568



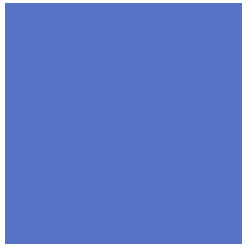
34, 63.385, 22.776



4, 16.421, 5.473

Previews

White Background



This preview shows how the CIELCh color 50, 48.124, 286.181 looks on a white background.

Color Contrast Check

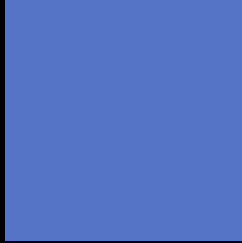
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.124, 286.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

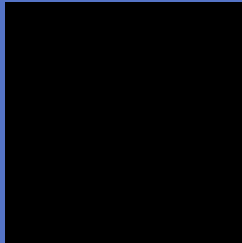
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 48.124, 286.181

Background



This preview shows how black text looks on a background with the CIELCh color 50, 48.124, 286.181.



This preview shows how white text looks on a background with the CIELCh color 50, 48.124, 286.181.

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, 48.124, 286.181

Protanopia

50, 48.124, 286.181

Deuteranopia

50, 46.515, 279.679



Tritanopia
50, 21.781, 214.792

Trichromacy



Original Color
50, 48.124, 286.181

Protanomaly
50, 48.124, 286.181

Deuteranomaly
50, 46.835, 281.697

Tritanomaly
50, 25.757, 253.972

Monochromacy



Original Color
50, 48.124, 286.181

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 17.924, 279.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 48.124, 286.181 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(85, 116, 198)` looks like.

```
.text, #text, p{  
    color:rgb(85, 116, 198)  
}
```

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(85, 116, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 116, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 48.124, 286.181 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(85, 116, 198) }
```

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

```
.border{ border-color:rgb(85, 116, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 116, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 116, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 116, 198);  
box-shadow:4px 4px 4px 4px rgb(85, 116,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 48.124, 286.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 116, 198) }
```

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

```
.background{ background-color: rgb(85, 116,  
198) }
```

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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