

Converting Colors

CIELCh(50, 45.299, 285.327)

Have a look what the booklet for
CIELCh(50, 45.299, 285.327)
contains.

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Color

CIELCh(50, 45.299, 285.327)

Conversions

Conversions Part 1

Format	Color
Hex	5674C1
RGB	86, 116, 193
RGB Percent	34%, 45%, 76%
CMY	0.6614, 0.5439, 0.2418
CMYK	0.55, 0.40, 0.00, 0.24
HSL	223°, 46%, 55%
HSV	223°, 55%, 76%
XYZ	19.8112, 18.4187, 53.1562
YIQ	115.8080, -42.5970, 17.5870

Conversions

Conversions Part 2

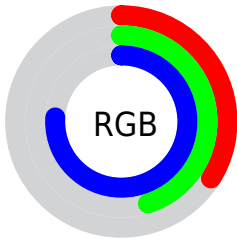
Format	Color
R _Y B	86, 109, 193
Decimal	5665985
CIE Lab	50.00, 11.97, -43.69
CIE LCh	50, 45.299, 285.327
Yxy	18.4187, 0.2168, 0.2015
Android (android.graphics.Color)	4283856065 (0xFF5674C1)
YUV	115.8080, 38.0557, -26.1416
Hunter-Lab	42.9170, 7.2941, -43.3937

Details

The CIELCh color **50, 45.299, 285.327** 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 **68, 43.623, 88.052**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 45.149, 285.305**, and **30, 45.668, 285.654** is the 20% darker color. If you saturate the color by 10%, you get **45, 54.226, 288.184**, and if you desaturate by 10%, it is **55, 36.637, 282.817**.

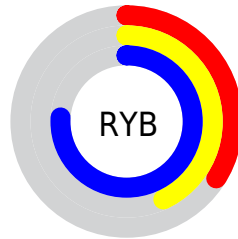
Distribution



Red (34%)

Green (45%)

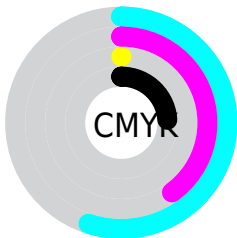
Blue (76%)



Red (34%)

Yellow (43%)

Blue (76%)

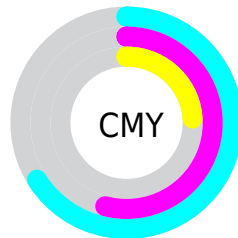


Cyan (55%)

Magenta (40%)

Yellow (0%)

Black (24%)



Cyan (66%)

Magenta (54%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 45.299, 285.327 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, 45.299, 285.327 by changing the saturation by 10% instead.

■ 50, 45.299,
285.327

■ 50, 45.299,
285.327

■ 100, 45.299,
285.327

■ 40, 45.299,
285.327

■ 70, 45.299,
285.327

■ 30, 45.299,
285.327

■ 80, 45.299,
285.327

■ 20, 45.299,
285.327

■ 90, 45.299,
285.327

■ 10, 45.299,
285.327

■ 0, 45.299, 285.327

■ 50, 45.299,
285.327

■ 50, 45.299,
285.327

45, 54.226,
288.184

55, 36.637,
282.817

40, 63.423,
291.341

60, 28.213,
280.646

36, 72.803,
294.684

65, 20.000,
278.785

32, 82.101,
298.008

70, 11.976,
277.196

31, 86.298,
299.413

75, 4.129, 275.858

81, 3.552, 94.574

86, 11.071, 93.591

91, 18.431, 92.709

95, 25.123, 96.448

Harmonies

Complementary

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



50, 45.299, 285.327



68, 43.623, 88.052

Rectangle

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



50, 45.299, 285.327



50, 45.299, 335.327



50, 45.299, 105.327



50, 45.299, 155.327

Sweetspot

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



50, 45.298, 285.328



88, 16.520, 277.484



72, 38.635, 171.068



46, 11.164, 277.799



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, 45.298, 285.328



58, 68.193, 288.709



44, 63.938, 303.810



38, 4.409, 276.365



25, 74.201, 298.958



3, 15.744, 282.120

Inverse Universe

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



51, 46.008, 5.295



61, 67.119, 8.474



75, 55.644, 115.151



38, 4.475, 358.188



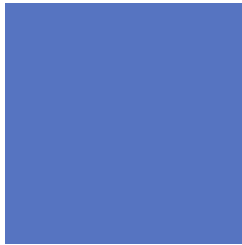
33, 62.455, 22.232



3, 14.540, 4.490

Previews

White Background



This preview shows how the CIE LCh color 50, 45.299, 285.327 looks on a white background.

Color Contrast Check

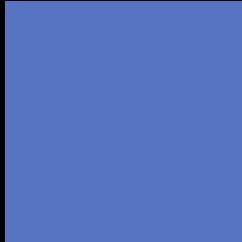
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 45.299, 285.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

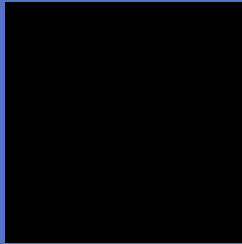
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 45.299, 285.327

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.299, 285.327.

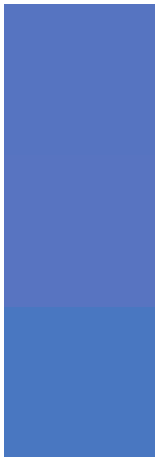


This preview shows how white text looks on a background with the CIELCh color 50, 45.299, 285.327.

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, 45.299, 285.327

Protanopia

50, 45.233, 285.922

Deuteranopia

50, 44.106, 279.794



Tritanopia
50, 20.613, 214.162

Trichromacy



Original Color
50, 45.299, 285.327

Protanomaly
50, 45.266, 285.623

Deuteranomaly
50, 44.449, 281.794

Tritanomaly
50, 24.534, 253.257

Monochromacy



Original Color
50, 45.299, 285.327

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 16.791, 278.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.299, 285.327 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(86, 116, 193)` looks like.

```
.text, #text, p{  
    color:rgb(86, 116, 193)  
}
```

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(86, 116, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 116, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.299, 285.327 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(86, 116, 193) }
```

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

```
.border{ border-color:rgb(86, 116, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 116, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 116, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 116, 193);  
box-shadow:4px 4px 4px 4px rgb(86, 116,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.299, 285.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 116, 193) }
```

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

```
.background{ background-color: rgb(86, 116,  
193) }
```

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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