

Converting Colors

CIELCh(50, 45.532, 279.824)

Have a look what the booklet for
CIELCh(50, 45.532, 279.824)
contains.

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Color

CIELCh(50, 45.314, 279.711)

Conversions

Conversions Part 1

Format	Color
Hex	4677C3
RGB	70, 119, 195
RGB Percent	27%, 47%, 76%
CMY	0.7257, 0.5335, 0.2355
CMYK	0.64, 0.39, 0.00, 0.24
HSL	216°, 51%, 52%
HSV	216°, 64%, 76%
XYZ	18.9557, 18.4187, 54.1516
YIQ	113.0130, -53.6000, 13.2480

Conversions

Conversions Part 2

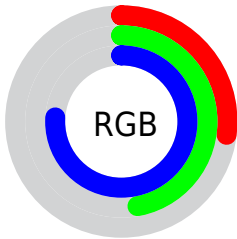
Format	Color
R _Y B	70, 105, 195
Decimal	4618179
CIE Lab	50.00, 7.64, -44.66
CIE LCh	50, 45.314, 279.711
Yxy	18.4187, 0.2071, 0.2012
Android (android.graphics.Color)	4282808259 (0xFF4677C3)
YUV	113.0130, 40.4196, -37.7224
Hunter-Lab	42.9170, 3.7358, -44.7688

Details

The CIELCh color **50, 45.314, 279.711** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **64, 47.674, 77.360**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 45.229, 279.490**, and **30, 45.160, 282.640** is the 20% darker color. If you saturate the color by 10%, you get **46, 52.711, 283.176**, and if you desaturate by 10%, it is **54, 38.060, 276.643**.

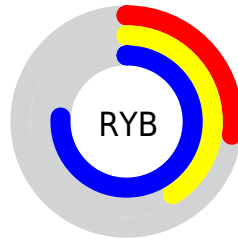
Distribution



Red (27%)

Green (47%)

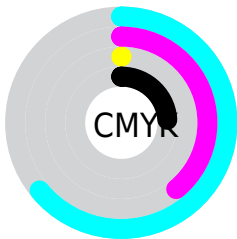
Blue (76%)



Red (27%)

Yellow (41%)

Blue (76%)

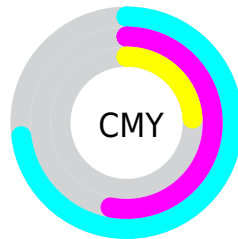


Cyan (64%)

Magenta (39%)

Yellow (0%)

Black (24%)



Cyan (73%)

Magenta (53%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 45.314, 279.711 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, 45.314, 279.711 by changing the saturation by 10% instead.

■ 50, 45.314,
279.711

■ 50, 45.314,
279.711

■ 100, 45.314,
279.711

■ 40, 45.314,
279.711

■ 70, 45.314,
279.711

■ 30, 45.314,
279.711

■ 80, 45.314,
279.711

■ 20, 45.314,
279.711

■ 90, 45.314,
279.711

■ 10, 45.314,
279.711

■ 0, 45.314, 279.711

■ 50, 45.314,
279.711

■ 50, 45.314,
279.711

46, 52.711,
283.176

54, 38.060,
276.643

42, 60.295,
286.959

59, 30.904,
273.981

38, 68.066,
290.902

63, 23.814,
271.700

36, 72.702,
293.120

68, 16.776,
269.758

72, 9.787, 268.110

77, 2.850, 266.760

81, 4.027, 85.373

86, 10.836, 84.362

91, 17.570, 83.455

Harmonies

Complementary

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



50, 45.314, 279.711



64, 47.674, 77.360

Rectangle

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



50, 45.314, 279.711



50, 45.314, 329.711



50, 45.314, 99.711



50, 45.314, 149.711

Sweetspot

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



50, 45.313, 279.712



88, 16.273, 268.928



71, 48.680, 161.857



46, 11.303, 269.422



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, 45.313, 279.712



57, 67.751, 284.686



38, 75.562, 302.337



39, 3.904, 267.422



30, 62.035, 292.527



4, 14.306, 276.879

Inverse Universe

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



49, 54.123, 359.037



58, 75.859, 3.158



76, 62.626, 109.278



38, 4.753, 350.701



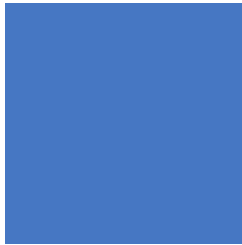
34, 60.050, 11.823



3, 15.052, 358.605

Previews

White Background



This preview shows how the CIE LCh color 50, 45.314, 279.711 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, 45.314, 279.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

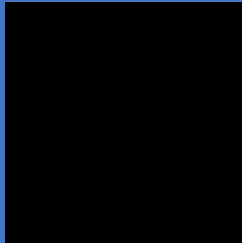
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

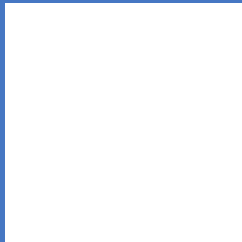
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 45.314, 279.711

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.314, 279.711.

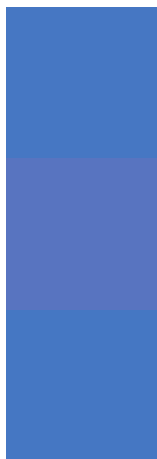


This preview shows how white text looks on a background with the CIELCh color 50, 45.314, 279.711.

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, 45.314, 279.711

Protanopia

50, 44.673, 285.694

Deuteranopia

50, 45.356, 279.474



Tritanopia
50, 25.971, 211.531

Trichromacy



Original Color
50, 45.314, 279.711

Protanomaly
50, 44.899, 283.270

Deuteranomaly
50, 45.356, 279.474

Tritanomaly
50, 28.015, 245.546

Monochromacy



Original Color
50, 45.314, 279.711

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 17.437, 271.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.314, 279.711 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(70, 119, 195)` looks like.

```
.text, #text, p{  
    color:rgb(70, 119, 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(70, 119, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 119, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.314, 279.711 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(70, 119, 195) }
```

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

```
.border{ border-color:rgb(70, 119, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 119, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 119, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 119, 195);  
box-shadow:4px 4px 4px 4px rgb(70, 119,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.314, 279.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 119, 195) }
```

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

```
.background{ background-color: rgb(70, 119,  
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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