

Converting Colors

CIELCh(50, 49.811, 281.627)

Have a look what the booklet for
CIELCh(50, 49.811, 281.627)
contains.

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Color

CIELCh(50, 49.811, 281.627)

Conversions

Conversions Part 1

Format	Color
Hex	4276CA
RGB	66, 118, 202
RGB Percent	26%, 46%, 79%
CMY	0.7405, 0.5368, 0.2073
CMYK	0.67, 0.42, 0.00, 0.21
HSL	217°, 56%, 53%
HSV	217°, 67%, 79%
XYZ	19.4259, 18.4187, 58.4908
YIQ	112.0280, -57.9560, 15.1000

Conversions

Conversions Part 2

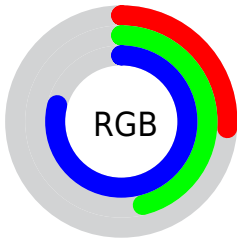
Format	Color
R _Y B	66, 104, 202
Decimal	4355786
CIE Lab	50.00, 10.04, -48.79
CIE LCh	50, 49.811, 281.627
Yxy	18.4187, 0.2016, 0.1912
Android (android.graphics.Color)	4282545866 (0xFF4276CA)
YUV	112.0280, 44.3562, -40.3666
Hunter-Lab	42.9170, 5.6912, -50.7635

Details

The CIELCh color **50, 49.811, 281.627** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **66, 51.707, 77.726**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 47.380, 280.285**, and **31, 49.304, 285.461** is the 20% darker color. If you saturate the color by 10%, you get **46, 57.661, 285.186**, and if you desaturate by 10%, it is **54, 42.139, 278.441**.

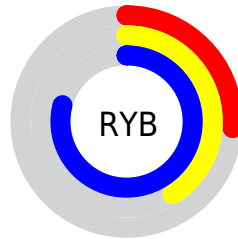
Distribution



Red (26%)

Green (46%)

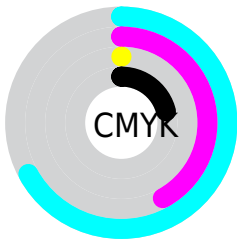
Blue (79%)



Red (26%)

Yellow (41%)

Blue (79%)

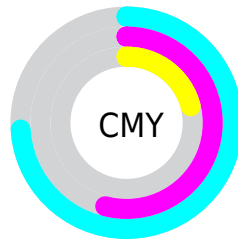


Cyan (67%)

Magenta (42%)

Yellow (0%)

Black (21%)



Cyan (74%)

Magenta (54%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 49.811, 281.627 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, 49.811, 281.627 by changing the saturation by 10% instead.

■ 50, 49.811,
281.627

■ 50, 49.811,
281.627

■ 100, 49.811,
281.627

■ 40, 49.811,
281.627

■ 70, 49.811,
281.627

■ 30, 49.811,
281.627

■ 80, 49.811,
281.627

■ 20, 49.811,
281.627

■ 90, 49.811,
281.627

■ 10, 49.811,
281.627

■ 0, 49.811, 281.627

■ 50, 49.811,
281.627

■ 50, 49.811,
281.627

■ 46, 57.661,
285.186

■ 54, 42.139,
278.441

■ 42, 65.719,
289.011

■ 59, 34.600,
275.657

■ 38, 73.939,
292.895

■ 64, 27.155,
273.264

■ 37, 76.205,
293.883

■ 68, 19.783,
271.221

■ 73, 12.474,
269.484

■ 78, 5.230, 268.025

■ 83, 1.945, 86.550

■ 87, 9.042, 85.559

■ 92, 16.056, 84.613

Harmonies

Complementary

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



50, 49.811, 281.627



66, 51.707, 77.726

Rectangle

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



50, 49.811, 281.627



50, 49.811, 331.627



50, 49.811, 101.627



50, 49.811, 151.627

Sweetspot

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



50, 49.810, 281.628



88, 17.469, 269.977



73, 51.180, 162.335



46, 11.933, 270.466



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, 49.810, 281.628



55, 73.304, 287.013



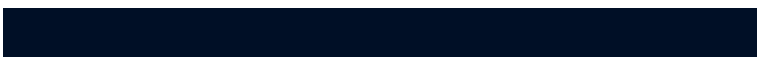
38, 81.813, 303.210



40, 4.115, 268.312



30, 64.767, 293.305



4, 17.342, 279.558

Inverse Universe

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



49, 57.754, 0.641



57, 78.625, 5.484



78, 67.049, 109.936



40, 4.930, 351.334



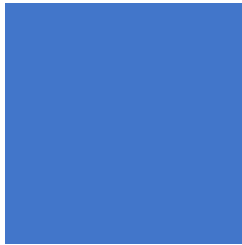
35, 61.588, 12.923



4, 18.975, 0.546

Previews

White Background



This preview shows how the CIE LCh color 50, 49.811, 281.627 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, 49.811, 281.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

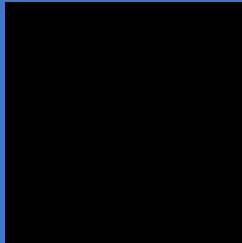
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

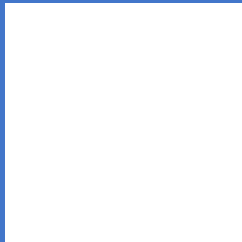
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 49.811, 281.627

Background



This preview shows how black text looks on a background with the CIELCh color 50, 49.811, 281.627.



This preview shows how white text looks on a background with the CIELCh color 50, 49.811, 281.627.

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, 49.811, 281.627

Protanopia

50, 49.301, 286.097

Deuteranopia

50, 49.020, 278.729



Tritanopia
50, 28.286, 210.111

Trichromacy



Original Color
50, 49.811, 281.627

Protanomaly
50, 49.460, 284.314

Deuteranomaly
50, 49.462, 279.884

Tritanomaly
49, 30.369, 245.615

Monochromacy



Original Color
50, 49.811, 281.627

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 19.184, 272.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 49.811, 281.627 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(66, 118, 202)` looks like.

```
.text, #text, p{  
    color:rgb(66, 118, 202)  
}
```

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(66, 118, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 118, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 49.811, 281.627 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(66, 118, 202) }
```

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

```
.border{ border-color:rgb(66, 118, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 118, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 118, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 118, 202);  
box-shadow:4px 4px 4px 4px rgb(66, 118,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 49.811, 281.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 118, 202) }
```

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

```
.background{ background-color: rgb(66, 118,  
202) }
```

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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