

Converting Colors

CIE LCh(50, 47.801, 283.395)

Have a look what the booklet for
CIELCh(50, 47.801, 283.395)
contains.

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Color

CIELCh(50, 47.806, 283.553)

Conversions

Conversions Part 1

Format	Color
Hex	4D75C6
RGB	77, 117, 198
RGB Percent	30%, 46%, 78%
CMY	0.6974, 0.5407, 0.2230
CMYK	0.61, 0.41, 0.00, 0.22
HSL	220°, 52%, 54%
HSV	220°, 61%, 78%
XYZ	19.6571, 18.4187, 56.0286
YIQ	114.2740, -49.8410, 16.7110

Conversions

Conversions Part 2

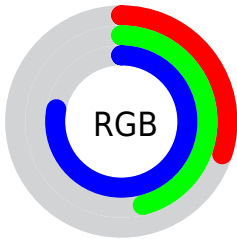
Format	Color
RYB	77, 107, 198
Decimal	5076422
CIELab	50.00, 11.20, -46.47
CIElCh	50, 47.806, 283.553
Yxy	18.4187, 0.2089, 0.1957
Android (android.graphics.Color)	4283266502 (0xFF4D75C6)
YUV	114.2740, 41.2769, -32.6893
Hunter-Lab	42.9170, 6.6531, -47.3619

Details

The CIELCh color **50, 47.806, 283.553** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **67, 47.438, 83.164**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 47.548, 283.189**, and **30, 48.198, 285.098** is the 20% darker color. If you saturate the color by 10%, you get **45, 56.257, 286.740**, and if you desaturate by 10%, it is **55, 39.577, 280.730**.

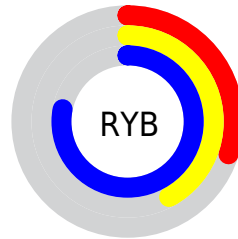
Distribution



Red (30%)

Green (46%)

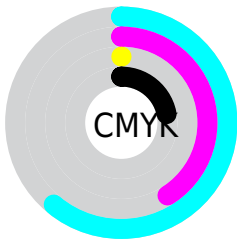
Blue (78%)



Red (30%)

Yellow (42%)

Blue (78%)

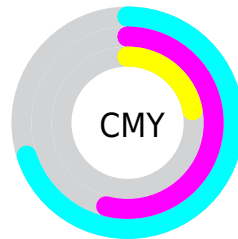


Cyan (61%)

Magenta (41%)

Yellow (0%)

Black (22%)



Cyan (70%)

Magenta (54%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 47.806, 283.553 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, 47.806, 283.553 by changing the saturation by 10% instead.

■ 50, 47.806,
283.553

■ 50, 47.806,
283.553

■ 100, 47.806,
283.553

■ 40, 47.806,
283.553

■ 70, 47.806,
283.553

■ 30, 47.806,
283.553

■ 80, 47.806,
283.553

■ 20, 47.806,
283.553

■ 90, 47.806,
283.553

■ 10, 47.806,
283.553

■ 0, 47.806, 283.553

■ 50, 47.806,
283.553

■ 50, 47.806,
283.553

45, 56.257,
286.740

55, 39.577,
280.730

41, 64.944,
290.219

60, 31.538,
278.277

37, 73.796,
293.840

65, 23.656,
276.171

34, 81.686,
296.942

69, 15.911,
274.372

74, 8.292, 272.843

79, 0.796, 271.788

84, 6.579, 90.310

89, 13.831, 89.337

94, 20.896, 88.950

Harmonies

Complementary

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



50, 47.806, 283.553



67, 47.438, 83.164

Rectangle

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



50, 47.806, 283.553



50, 47.806, 333.553



50, 47.806, 103.553



50, 47.806, 153.553

Sweetspot

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



50, 47.805, 283.554



89, 16.654, 273.920



73, 44.573, 166.650



46, 11.599, 274.399



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, 47.805, 283.554



57, 71.183, 287.769



41, 72.515, 303.322



39, 4.260, 272.612



28, 69.692, 296.421



3, 16.698, 281.079

Inverse Universe

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



50, 51.852, 2.910



59, 73.415, 6.791



76, 61.365, 112.598



39, 4.690, 354.712



34, 61.817, 17.743



4, 16.654, 2.682

Previews

White Background



This preview shows how the CIE LCh color 50, 47.806, 283.553 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, 47.806, 283.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

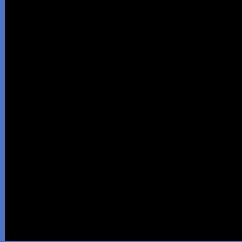
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 47.806, 283.553

Background



This preview shows how black text looks on a background with the CIELCh color 50, 47.806, 283.553.



This preview shows how white text looks on a background with the CIELCh color 50, 47.806, 283.553.

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, 47.806, 283.553

Protanopia

50, 47.566, 285.961

Deuteranopia

50, 47.131, 279.575



Tritanopia
50, 24.354, 211.195

Trichromacy



Original Color
50, 47.806, 283.553

Protanomaly
50, 47.662, 285.159

Deuteranomaly
50, 47.531, 281.074

Tritanomaly
50, 27.161, 249.695

Monochromacy



Original Color
50, 47.806, 283.553

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 18.165, 276.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 47.806, 283.553 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(77, 117, 198)` looks like.

```
.text, #text, p{  
    color:rgb(77, 117, 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(77, 117, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 117, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 47.806, 283.553 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(77, 117, 198) }
```

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

```
.border{ border-color:rgb(77, 117, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 117, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 117, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 117, 198);  
box-shadow:4px 4px 4px 4px rgb(77, 117,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 47.806, 283.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 117, 198) }
```

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

```
.background{ background-color: rgb(77, 117,  
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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