

Converting Colors

CIELCh(50, 46.318, 282.947)

Have a look what the booklet for
CIELCh(50, 46.318, 282.947)
contains.

CIELCh(50, 46.667, 283.274)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 46.667, 283.274)

Conversions

Conversions Part 1

Format	Color
Hex	4E75C4
RGB	78, 117, 196
RGB Percent	31%, 46%, 77%
CMY	0.6928, 0.5401, 0.2302
CMYK	0.60, 0.40, 0.00, 0.23
HSL	220°, 50%, 54%
HSV	220°, 60%, 77%
XYZ	19.5600, 18.4187, 54.9298
YIQ	114.3450, -48.6030, 16.3010

Conversions

Conversions Part 2

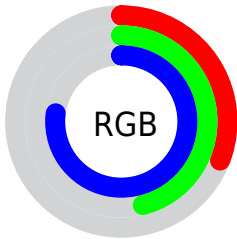
Format	Color
R_{YB}	78, 107, 196
Decimal	5141956
CIE _{Lab}	50.00, 10.72, -45.42
CIE _{LCh}	50, 46.667, 283.274
Yxy	18.4187, 0.2105, 0.1982
Android (android.graphics.Color)	4283332036 (0xFF4E75C4)
YUV	114.3450, 40.2559, -31.8746
Hunter-Lab	42.9170, 6.2490, -45.8440

Details

The CIELCh color **50, 46.667, 283.274** 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, 46.357, 83.337**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.459, 283.070**, and **30, 47.025, 284.402** is the 20% darker color. If you saturate the color by 10%, you get **45, 55.036, 286.424**, and if you desaturate by 10%, it is **55, 38.516, 280.490**.

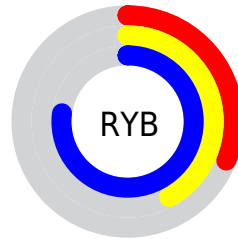
Distribution



Red (31%)

Green (46%)

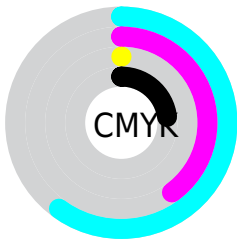
Blue (77%)



Red (31%)

Yellow (42%)

Blue (77%)

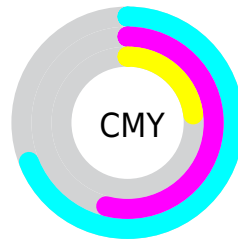


Cyan (60%)

Magenta (40%)

Yellow (0%)

Black (23%)



Cyan (69%)


Magenta (54%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 46.667, 283.274 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, 46.667, 283.274 by changing the saturation by 10% instead.


 50, 46.667,
283.274


 50, 46.667,
283.274


 100, 46.667,
283.274

 40, 46.667,
283.274


 70, 46.667,
283.274

 30, 46.667,
283.274


 80, 46.667,
283.274


 20, 46.667,
283.274

 90, 46.667,
283.274

 10, 46.667,
283.274

 0, 46.667, 283.274

 50, 46.667,
283.274

 50, 46.667,
283.274

45, 55.036,
286.424

55, 38.516,
280.490

41, 63.639,
289.875

60, 30.550,
278.075

37, 72.420,
293.488

64, 22.739,
276.003

33, 81.104,
296.935

69, 15.062,
274.234

74, 7.510, 272.730

79, 0.080, 274.359

84, 7.230, 90.235

89, 14.418, 89.273

94, 21.482, 88.429

Harmonies

Complementary

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



50, 46.667, 283.274



67, 46.357, 83.337

Rectangle

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



50, 46.667, 283.274



50, 46.667, 333.274



50, 46.667, 103.274



50, 46.667, 153.274

Sweetspot

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



50, 46.666, 283.275



89, 16.659, 273.942



72, 43.691, 166.805



46, 11.603, 274.421



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, 46.666, 283.275



57, 70.154, 287.442



41, 70.754, 303.182



38, 4.171, 272.630



27, 68.828, 296.389



3, 15.120, 280.022

Inverse Universe

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



50, 50.734, 2.680



59, 72.675, 6.467



76, 60.096, 112.645



38, 4.589, 354.727



34, 61.091, 17.692



3, 14.738, 1.948

Previews

White Background



This preview shows how the CIELCh color 50, 46.667, 283.274 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 CIE LCh color 50, 46.667, 283.274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

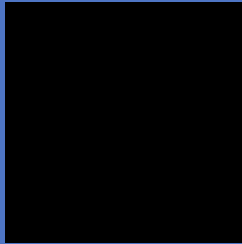
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 46.667, 283.274

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.667, 283.274.

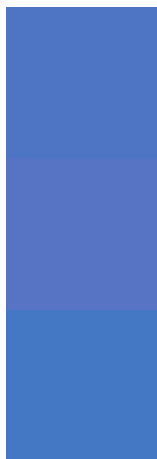


This preview shows how white text looks on a background with the CIELCh color 50, 46.667, 283.274.

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, 46.667, 283.274

Protanopia

50, 46.417, 285.790

Deuteranopia

50, 45.936, 279.574



Tritanopia
50, 23.610, 213.236

Trichromacy



Original Color
50, 46.667, 283.274

Protanomaly
50, 46.516, 284.951

Deuteranomaly
50, 46.329, 281.159

Tritanomaly
50, 26.539, 249.334

Monochromacy



Original Color
50, 46.667, 283.274

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 17.582, 276.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.667, 283.274 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(78, 117, 196)` looks like.

```
.text, #text, p{  
    color:rgb(78, 117, 196)  
}
```

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(78, 117, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 117, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.667, 283.274 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(78, 117, 196) }
```

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

```
.border{ border-color:rgb(78, 117, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 117, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 117, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 117, 196);  
box-shadow:4px 4px 4px 4px rgb(78, 117,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.667, 283.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 117, 196) }
```

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

```
.background{ background-color: rgb(78, 117,  
196) }
```

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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