

Converting Colors

CIELCh(48, 51.511, 285.571)

Have a look what the booklet for
CIELCh(48, 51.511, 285.571)
contains.

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Color

CIELCh(48, 51.511, 285.571)

Conversions

Conversions Part 1

Format	Color
Hex	476FC6
RGB	71, 111, 198
RGB Percent	28%, 44%, 78%
CMY	0.7214, 0.5646, 0.2234
CMYK	0.64, 0.44, 0.00, 0.22
HSL	221°, 53%, 53%
HSV	221°, 64%, 78%
XYZ	18.4853, 16.7945, 55.7118
YIQ	108.9580, -51.7670, 18.5770

Conversions

Conversions Part 2

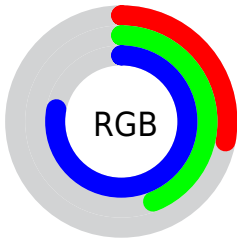
Format	Color
R_{YB}	71, 101, 198
Decimal	4681670
CIE _{Lab}	48.00, 13.83, -49.62
CIE _{LCh}	48, 51.511, 285.571
Yxy	16.7945, 0.2032, 0.1846
Android (android.graphics.Color)	4282871750 (0xFF476FC6)
YUV	108.9580, 43.8977, -33.2892
Hunter-Lab	40.9810, 8.7989, -51.9153

Details

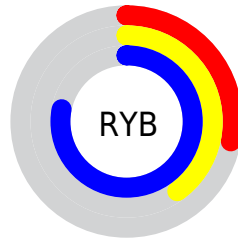
The CIELCh color **48, 51.511, 285.571** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **67, 50.161, 83.990**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.475, 285.699**, and **29, 50.924, 287.861** is the 20% darker color. If you saturate the color by 10%, you get **43, 60.288, 288.812**, and if you desaturate by 10%, it is **53, 42.981, 282.669**.

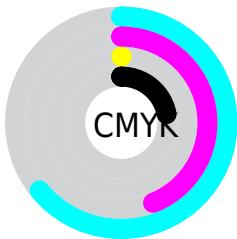
Distribution



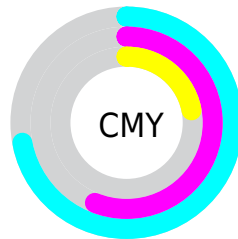
- Red (28%)
- Green (44%)
- Blue (78%)



- Red (28%)
- Yellow (40%)
- Blue (78%)



- Cyan (64%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)





- Cyan (72%)
- Magenta (56%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 51.511, 285.571 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 48, 51.511, 285.571 by changing the saturation by 10% instead.


 48, 51.511,
285.571


 48, 51.511,
285.571


 100, 51.511,
285.571


 38, 51.511,
285.571

 68, 51.511,
285.571


 28, 51.511,
285.571

 78, 51.511,
285.571

 18, 51.511,
285.571

 88, 51.511,
285.571

 8, 51.511, 285.571

 98, 51.511,
285.571

 0, 51.511, 285.571

 48, 51.511,

 48, 51.511,

285.571

285.571

■ 43, 60.288,
288.812

■ 53, 42.981,
282.669

■ 39, 69.291,
292.291

■ 58, 34.674,
280.131

■ 35, 78.371,
295.829

■ 63, 26.556,
277.945

■ 33, 83.632,
297.767

■ 68, 18.602,
276.074

■ 73, 10.796,
274.478

■ 78, 3.130, 273.154

■ 83, 4.399, 91.844

■ 88, 11.792, 90.849

■ 93, 19.051, 89.961

Harmonies

Complementary

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



48, 51.511, 285.571



67, 50.161, 83.990

Rectangle

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



48, 51.511, 285.571



48, 51.511, 335.571



48, 51.511, 105.571



48, 51.511, 155.571

Sweetspot

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



48, 51.510, 285.572



88, 17.911, 275.269



72, 45.549, 167.331



45, 12.359, 275.744



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 51.510, 285.572



54, 77.292, 290.193



40, 76.295, 304.118



39, 4.333, 273.811



27, 71.394, 297.264



3, 16.925, 281.762

Inverse Universe

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



49, 53.983, 4.911



58, 76.229, 9.556



76, 64.014, 113.252



39, 4.652, 355.762



34, 62.197, 19.173



4, 16.582, 3.482

Previews

White Background



This preview shows how the CIELCh color 48, 51.511, 285.571 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 48, 51.511, 285.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

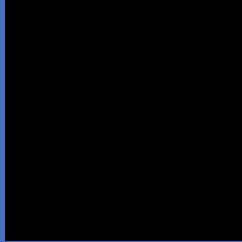
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

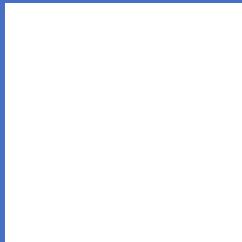
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 51.511, 285.571

Background



This preview shows how black text looks on a background with the CIELCh color 48, 51.511, 285.571.



This preview shows how white text looks on a background with the CIELCh color 48, 51.511, 285.571.

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


48, 51.511, 285.571

Protanopia

48, 51.424, 286.221

Deuteranopia

48, 49.460, 278.440



Tritanopia
48, 25.686, 210.376

Trichromacy



Original Color
48, 51.511, 285.571

Protanomaly
48, 51.453, 286.001

Deuteranomaly
48, 49.729, 280.488

Tritanomaly
48, 28.657, 250.264

Monochromacy



Original Color
48, 51.511, 285.571

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 18.938, 276.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 51.511, 285.571 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(71, 111, 198)` looks like.

```
.text, #text, p{  
    color:rgb(71, 111, 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(71, 111, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 111, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 51.511, 285.571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

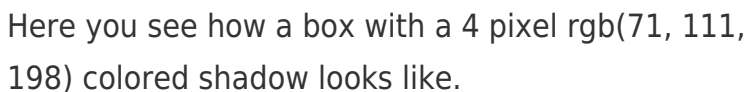
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 111, 198) }
```

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

```
.border{ border-color:rgb(71, 111, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 111, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 111, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 111, 198);  
box-shadow:4px 4px 4px 4px rgb(71, 111,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 51.511, 285.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 111, 198) }
```

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

```
.background{ background-color: rgb(71, 111,  
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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