

Converting Colors

CIELCh(48, 69.480, 310.825)

Have a look what the booklet for
CIELCh(48, 69.480, 310.825)
contains.

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Color

CIELCh(48, 69.585, 310.831)

Conversions

Conversions Part 1

Format	Color
Hex	8D57CC
RGB	141, 87, 204
RGB Percent	55%, 34%, 80%
CMY	0.4477, 0.6594, 0.2006
CMYK	0.31, 0.57, 0.00, 0.20
HSL	268°, 53%, 57%
HSV	268°, 57%, 80%
XYZ	25.2348, 16.7945, 58.9384
YIQ	116.4840, -5.3730, 47.8350

Conversions

Conversions Part 2

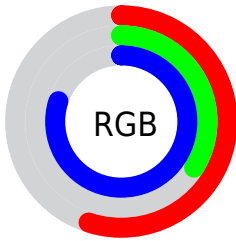
Format	Color
R_{YB}	141, 87, 204
Decimal	9263052
CIE _{Lab}	48.00, 45.50, -52.65
CIE _{LCh}	48, 69.585, 310.831
Yxy	16.7945, 0.2499, 0.1663
Android (android.graphics.Color)	4287453132 (0xFF8D57CC)
YUV	116.4840, 43.1454, 21.5005
Hunter-Lab	40.9810, 38.1975, -56.5834

Details

The CIELCh color **48, 69.585, 310.831** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **76, 63.264, 125.117**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 66.165, 311.665**, and **28, 69.709, 310.883** is the 20% darker color. If you saturate the color by 10%, you get **43, 81.278, 311.299**, and if you desaturate by 10%, it is **54, 57.274, 310.270**.

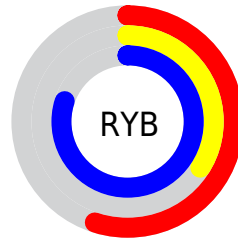
Distribution



Red (55%)

Green (34%)

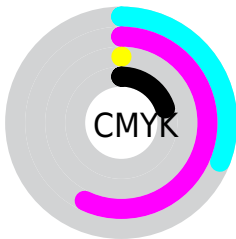
Blue (80%)



Red (55%)

Yellow (34%)

Blue (80%)

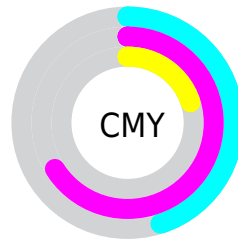


Cyan (31%)

Magenta (57%)

Yellow (0%)

Black (20%)



Cyan (45%)


Magenta (66%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 69.585, 310.831 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, 69.585, 310.831 by changing the saturation by 10% instead.


 48, 69.585,
310.831


 48, 69.585,
310.831


 100, 69.585,
310.831


 38, 69.585,
310.831

 68, 69.585,
310.831


 28, 69.585,
310.831

 78, 69.585,
310.831

 18, 69.585,
310.831


 88, 69.585,
310.831

 8, 69.585, 310.831

 98, 69.585,
310.831

 0, 69.585, 310.831

 48, 69.585,

 48, 69.585,

310.831

43, 81.278,
311.299

38, 91.669,
311.579

35, 99.872,
311.547

32, 105.183,
311.109

31, 106.363,
310.983

310.831

54, 57.274,
310.270

59, 44.798,
309.678

65, 32.425,
309.097


71, 20.302,
308.549

77, 8.502, 308.039

84, 2.945, 127.636

90, 14.030,
127.204

96, 24.761,
126.845

 98, 26.509,
120.644

Harmonies

Complementary

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



48, 69.585, 310.831



76, 63.264, 125.117

Rectangle

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



48, 69.585, 310.831



48, 69.585, 0.831



48, 69.585, 130.831



48, 69.585, 180.831

Sweetspot

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



48, 69.584, 310.831



88, 23.798, 308.540



60, 33.708, 261.186



45, 15.965, 308.648



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, 69.584, 310.831



52, 99.494, 311.392



55, 72.442, 325.798



40, 6.550, 308.139



25, 91.052, 311.148



2, 24.371, 305.241

Inverse Universe

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



54, 54.340, 347.775



62, 74.808, 350.011



74, 72.697, 138.631



40, 5.452, 342.344



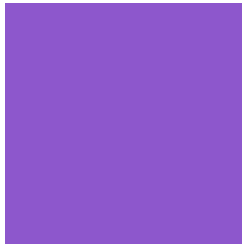
36, 61.971, 358.050



4, 20.333, 351.100

Previews

White Background



This preview shows how the CIELCh color 48, 69.585, 310.831 looks on a white background.

Color Contrast Check

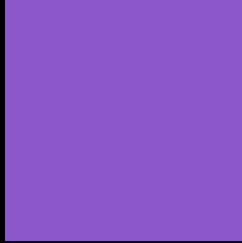
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 69.585, 310.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

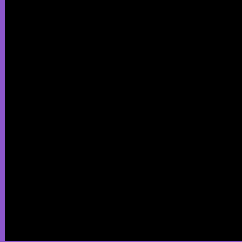
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 69.585, 310.831

Background



This preview shows how black text looks on a background with the CIELCh color 48, 69.585, 310.831.

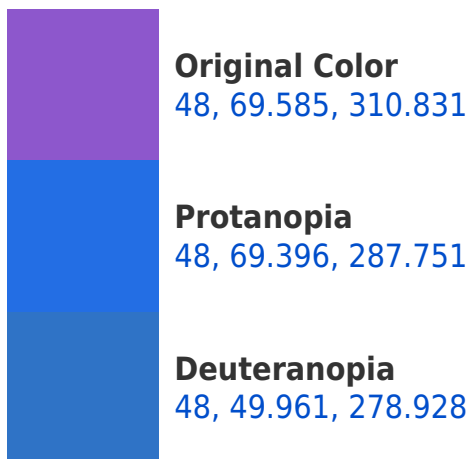



This preview shows how white text looks on a background with the CIELCh color 48, 69.585, 310.831.

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





Tritanopia
48, 7.723, 342.801

Trichromacy



Original Color
48, 69.585, 310.831



Protanomaly
47, 68.766, 293.273



Deuteranomaly
47, 56.052, 291.033



Tritanomaly
48, 29.803, 314.393

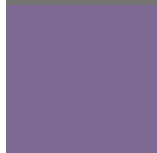
Monochromacy



Original Color
48, 69.585, 310.831



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 26.546, 309.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 69.585, 310.831 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(141, 87, 204)` looks like.

```
.text, #text, p{  
    color:rgb(141, 87, 204)  
}
```

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(141, 87, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 87, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 69.585, 310.831 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(141, 87, 204) }
```

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

```
.border{ border-color:rgb(141, 87, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 87, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 87, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 87, 204);  
box-shadow:4px 4px 4px 4px rgb(141, 87,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 69.585, 310.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 87, 204) }
```

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

```
.background{ background-color: rgb(141, 87,  
204) }
```

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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