

Converting Colors

CIELCh(48, 66.482, 308.443)

Have a look what the booklet for
CIELCh(48, 66.482, 308.443)
contains.

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Color

CIELCh(48, 66.482, 308.443)

Conversions

Conversions Part 1

Format	Color
Hex	865BCB
RGB	134, 91, 203
RGB Percent	53%, 36%, 80%
CMY	0.4754, 0.6440, 0.2049
CMYK	0.34, 0.55, 0.00, 0.20
HSL	263°, 52%, 58%
HSV	263°, 55%, 80%
XYZ	24.2668, 16.7945, 58.3111
YIQ	116.6250, -10.3240, 43.9480

Conversions

Conversions Part 2

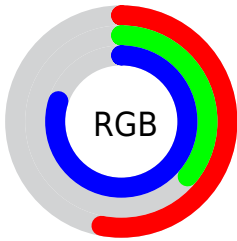
Format	Color
R_{YB}	134, 91, 203
Decimal	8805323
CIE _{Lab}	48.00, 41.33, -52.07
CIE _{LCh}	48, 66.482, 308.443
Yxy	16.7945, 0.2442, 0.1690
Android (android.graphics.Color)	4286995403 (0xFF865BCB)
YUV	116.6250, 42.5829, 15.2379
Hunter-Lab	40.9810, 33.9815, -55.6758

Details

The CIELCh color **48, 66.482, 308.443** 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 **77, 59.673, 122.212**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 63.298, 308.787**, and **28, 66.718, 308.533** is the 20% darker color. If you saturate the color by 10%, you get **43, 78.615, 309.114**, and if you desaturate by 10%, it is **54, 53.998, 307.722**.

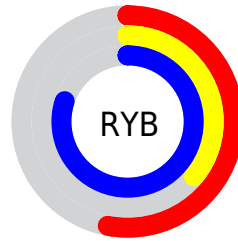
Distribution



Red (53%)

Green (36%)

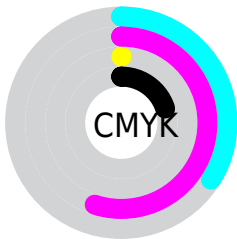
Blue (80%)



Red (53%)

Yellow (36%)

Blue (80%)

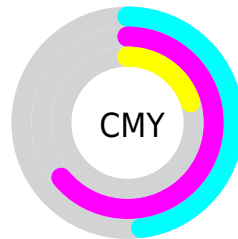


Cyan (34%)

Magenta (55%)

Yellow (0%)

Black (20%)



Cyan (48%)

Magenta (64%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 66.482, 308.443 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, 66.482, 308.443 by changing the saturation by 10% instead.

 48, 66.482,
308.443

 48, 66.482,
308.443

 100, 66.482,
308.443

 38, 66.482,
308.443

 68, 66.482,
308.443

 28, 66.482,
308.443

 78, 66.482,
308.443

 18, 66.482,
308.443

 88, 66.482,
308.443

 8, 66.482, 308.443

 98, 66.482,
308.443

 0, 66.482, 308.443

 48, 66.482,

 48, 66.482,

308.443

43, 78.615,
309.114

38, 89.768,
309.636

33, 99.018,
309.876

30, 105.352,
309.684

29, 107.653,
309.518

308.443

54, 53.998,
307.722

60, 41.542,
307.009

66, 29.314,
306.336

72, 17.414,
305.720

78, 5.883, 305.161

85, 5.270, 124.701

91, 16.051,
124.263

97, 26.474,
123.889

■ 98, 26.594,
115.276

Harmonies

Complementary

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



48, 66.482, 308.443



77, 59.673, 122.212

Rectangle

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



48, 66.482, 308.443



48, 66.482, 358.443



48, 66.482, 128.443



48, 66.482, 178.443

Sweetspot

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



48, 66.481, 308.443



87, 23.499, 305.839



63, 30.183, 251.632



45, 15.769, 305.962



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, 66.481, 308.443



53, 95.748, 309.214



55, 69.176, 323.665



40, 6.460, 305.389



23, 92.518, 309.669



2, 24.097, 302.631

Inverse Universe

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



55, 54.716, 342.974



63, 75.592, 344.576



74, 68.741, 137.476



40, 5.755, 338.543



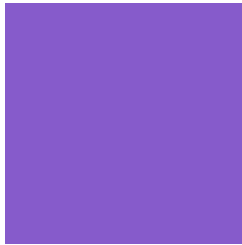
36, 63.872, 351.258



4, 21.350, 346.089

Previews

White Background



This preview shows how the CIELCh color 48, 66.482, 308.443 looks on a white background.

Color Contrast Check

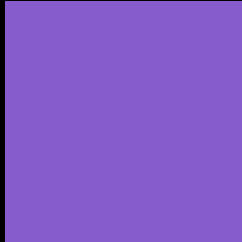
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.482, 308.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

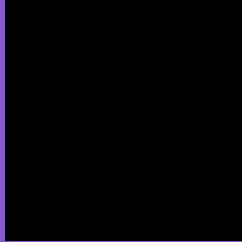
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 66.482, 308.443

Background



This preview shows how black text looks on a background with the CIELCh color 48, 66.482, 308.443.




This preview shows how white text looks on a background with the CIELCh color 48, 66.482, 308.443.

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, 5.700, 311.270

Trichromacy



Original Color
48, 66.482, 308.443

Protanomaly
47, 66.388, 293.179

Deuteranomaly
47, 55.472, 290.151

Tritanomaly
47, 28.748, 307.364

Monochromacy



Original Color
48, 66.482, 308.443

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 24.923, 305.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 66.482, 308.443 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(134, 91, 203)` looks like.

```
.text, #text, p{  
    color:rgb(134, 91, 203)  
}
```

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(134, 91, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 91, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 66.482, 308.443 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(134, 91, 203) }
```

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

```
.border{ border-color:rgb(134, 91, 203) }
```

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

Here you see how a box with a 4 pixel rgb(134, 91, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 91, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 91, 203);  
box-shadow:4px 4px 4px 4px rgb(134, 91,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 66.482, 308.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 91, 203) }
```

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

```
.background{ background-color: rgb(134, 91,  
203) }
```

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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