

# Converting Colors

CIELCh(68, 48.418, 306.126)

Have a look what the booklet for  
CIELCh(68, 48.418, 306.126)  
contains.

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**Color**

**CIELCh(68, 48.504, 305.970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B597ED
RGB	181, 151, 237
RGB Percent	71%, 59%, 93%
CMY	0.2910, 0.4086, 0.0714
CMYK	0.24, 0.36, 0.00, 0.07
HSL	261°, 70%, 76%
HSV	261°, 36%, 93%
XYZ	45.2987, 37.9720, 84.9008
YIQ	169.7740, -9.7260, 33.1060

# Conversions

## Conversions Part 2

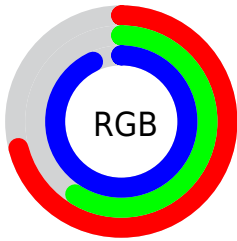
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 151, 237
Decimal	11900909
CIELab	68.00, 28.49, -39.26
CIElCh	68, 48.504, 305.970
Yxy	37.9720, 0.2694, 0.2258
Android (android.graphics.Color)	4290090989 (0xFFB597ED)
YUV	169.7740, 33.1424, 9.8452
Hunter-Lab	61.6215, 23.3802, -38.5535

# Details

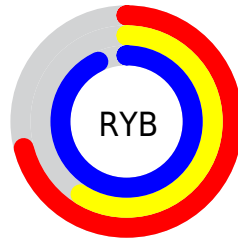
The CIELCh color  $68, 48.504, 305.970$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $90, 45.204, 121.649$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $87, 28.667, 315.289$ , and  $48, 48.471, 305.718$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 62.684, 306.762$ , and if you desaturate by 10%, it is  $75, 34.603, 305.230$ .

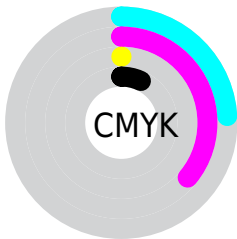
# Distribution



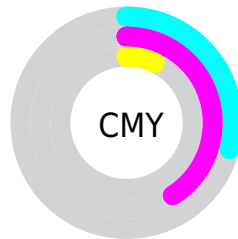
- Red (71%)
- Green (59%)
- Blue (93%)



- Red (71%)
- Yellow (59%)
- Blue (93%)



- Cyan (24%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)




- Cyan (29%)
- Magenta (41%)
- Yellow (7%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 48.504, 305.970 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 68, 48.504, 305.970 by changing the saturation by 10% instead.



 68, 48.504,  
305.970


 68, 48.504,  
305.970

 100, 48.504,  
305.970


 58, 48.504,  
305.970


 88, 48.504,  
305.970

 48, 48.504,  
305.970

 98, 48.504,  
305.970

 38, 48.504,  
305.970

 28, 48.504,  
305.970

 18, 48.504,  
305.970

 8, 48.504, 305.970

 0, 48.504, 305.970

68, 48.504,  
305.970

68, 48.504,  
305.970

61, 62.684,  
306.762

75, 34.603,  
305.230

54, 76.905,  
307.569

82, 21.097,  
304.557

48, 90.706,  
308.325

89, 8.029, 303.953

43, 103.292,  
308.919

96, 4.595, 123.452

100, 9.218,  
109.479

38, 113.504,  
309.196

35, 120.131,  
308.995

34, 121.936,  
308.862

# Harmonies

# Complementary

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



68, 48.504, 305.970



90, 45.204, 121.649

# Rectangle

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



68, 48.504, 305.970



68, 48.504, 355.970



68, 48.504, 125.970



68, 48.504, 175.970

# Sweetspot

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



68, 48.502, 305.970



92, 14.976, 304.231



81, 23.023, 240.222



48, 10.085, 304.313



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



68, 48.502, 305.970



67, 63.083, 306.590



72, 52.305, 321.440



45, 7.209, 304.137



25, 99.518, 309.031



4, 36.893, 306.665





# Inverse Universe

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



73, 42.924, 339.222



73, 54.804, 339.983



87, 51.650, 137.702



46, 6.620, 336.974



40, 69.350, 348.597



8, 30.617, 344.691



# Previews

## White Background



This preview shows how the CIELCh color 68, 48.504, 305.970 looks on a white background.

## Color Contrast Check

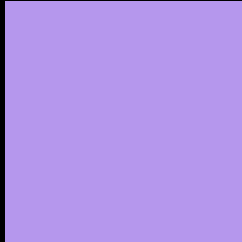
Large Text (above 18pt) WCAG AA × Fail

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 68, 48.504, 305.970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

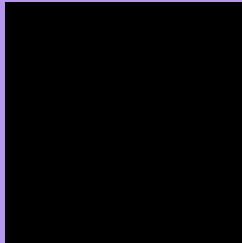
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 68, 48.504, 305.970

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.504, 305.970.




This preview shows how white text looks on a background with the CIELCh color 68, 48.504, 305.970.

# 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**  
68, 7.662, 310.698



# Trichromacy



**Original Color**  
68, 48.504, 305.970

**Protanomaly**  
68, 46.254, 292.477

**Deuteranomaly**  
68, 41.895, 292.622

**Tritanomaly**  
68, 22.261, 306.014

# Monochromacy



**Original Color**  
68, 48.504, 305.970

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
69, 17.579, 304.738

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 48.504, 305.970 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(181, 151, 237)` looks like.

```
.text, #text, p{  
    color:rgb(181, 151, 237)  
}
```

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(181, 151, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 151, 237) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 48.504, 305.970 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(181, 151, 237) }
```

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

```
.border{ border-color:rgb(181, 151, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 151, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 151, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 151, 237); box-shadow:4px 4px 4px 4px rgb(181, 151, 237) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 48.504, 305.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 151, 237) }
```

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

```
.background{ background-color: rgb(181,  
151, 237) }
```

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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