

# Converting Colors

CIELCh(68, 33.973, 318.163)

Have a look what the booklet for  
CIELCh(68, 33.973, 318.163)  
contains.

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# Color

**CIELCh(68, 34.129, 317.901)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C097CF
RGB	192, 151, 207
RGB Percent	75%, 59%, 81%
CMY	0.2460, 0.4068, 0.1872
CMYK	0.07, 0.27, 0.00, 0.19
HSL	284°, 37%, 70%
HSV	284°, 27%, 81%
XYZ	44.2060, 37.9720, 64.1996
YIQ	169.6430, 6.4600, 26.1080

# Conversions

## Conversions Part 2

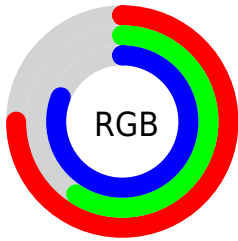
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 151, 207
Decimal	12621775
CIELab	68.00, 25.32, -22.88
CIELCh	68, 34.129, 317.901
Yxy	37.9720, 0.3020, 0.2594
Android (android.graphics.Color)	4290811855 (0xFFC097CF)
YUV	169.6430, 18.4170, 19.6071
Hunter-Lab	61.6215, 20.2148, -18.6356

# Details

The CIELCh color  $68, 34.129, 317.901$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $79, 33.532, 135.440$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $88, 29.670, 321.991$ , and  $48, 34.147, 317.718$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 46.897, 318.326$ , and if you desaturate by 10%, it is  $74, 21.347, 317.461$ .

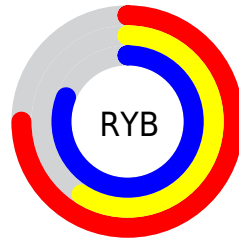
# Distribution



Red (75%)

Green (59%)

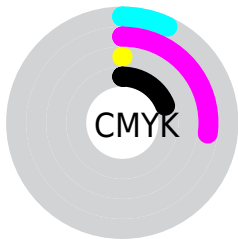
Blue (81%)



Red (75%)

Yellow (59%)

Blue (81%)

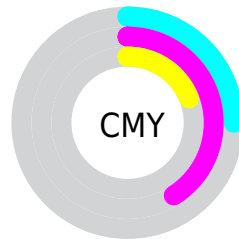


Cyan (7%)

Magenta (27%)

Yellow (0%)

Black (19%)



Cyan (25%)

Magenta (41%)


Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 34.129, 317.901 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, 34.129, 317.901 by changing the saturation by 10% instead.





 68, 34.129,  
317.901


 68, 34.129,  
317.901


 100, 34.129,  
317.901


 58, 34.129,  
317.901


 88, 34.129,  
317.901

 48, 34.129,  
317.901

 98, 34.129,  
317.901

 38, 34.129,  
317.901

 28, 34.129,  
317.901

 18, 34.129,  
317.901

 8, 34.129, 317.901

 0, 34.129, 317.901

68, 34.129,  
317.901

68, 34.129,  
317.901

63, 46.897,  
318.326

74, 21.347,  
317.461

58, 59.396,  
318.713

79, 8.725, 317.016

85, 3.640, 136.677

53, 71.239,  
319.024

91, 15.693,  
136.245

49, 81.904,  
319.214

96, 27.408,  
135.877

45, 90.767,  
319.226

97, 26.571,  
132.208

42, 97.228,  
319.002


97, 25.781,  
128.223

40, 100.996,  
318.502

98, 25.125,  
123.955

40, 101.870,

318.333

 98, 24.619,  
119.434

# Harmonies

# Complementary

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



68, 34.129, 317.901



79, 33.532, 135.440

# Rectangle

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



68, 34.129, 317.901



68, 34.129, 7.901



68, 34.129, 137.901



68, 34.129, 187.901

# Sweetspot

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



68, 34.127, 317.901



95, 11.770, 317.065



69, 22.526, 278.867



50, 8.377, 317.133



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, 34.127, 317.901



79, 47.920, 318.132



69, 31.477, 332.869



41, 7.115, 317.124



32, 87.189, 318.461



4, 28.658, 317.317



# Inverse Universe

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



68, 23.217, 1.160



79, 32.807, 1.921



78, 31.317, 149.098



41, 4.738, 359.062



35, 65.135, 23.522



4, 20.386, 7.120



# Previews

## White Background



This preview shows how the CIELCh color 68, 34.129, 317.901 looks on a white background.

## Color Contrast Check

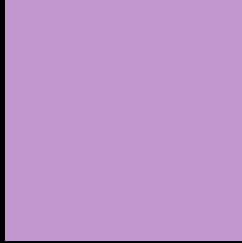
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 68, 34.129, 317.901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

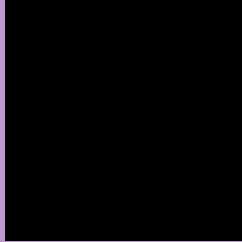
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 34.129, 317.901**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 34.129, 317.901.

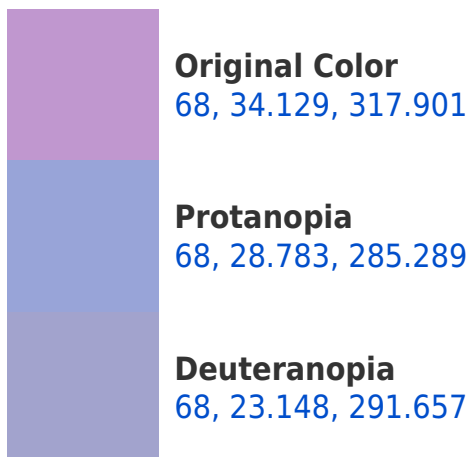


This preview shows how white text looks on a background with the CIELCh color 68, 34.129, 317.901.

# 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, 13.182, 347.896

# Trichromacy



**Original Color**  
68, 34.129, 317.901

**Protanomaly**  
68, 30.000, 298.242

**Deuteranomaly**  
68, 26.475, 303.206

**Tritanomaly**  
68, 19.719, 329.923

# Monochromacy



**Original Color**  
68, 34.129, 317.901

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
69, 12.863, 316.646

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 34.129, 317.901 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(192, 151, 207)` looks like.

```
.text, #text, p{  
    color:rgb(192, 151, 207)  
}
```

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(192, 151, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 151, 207) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 34.129, 317.901 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(192, 151, 207) }
```

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

```
.border{ border-color:rgb(192, 151, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 151, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 151, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 151, 207);  
box-shadow:4px 4px 4px 4px rgb(192, 151,  
207) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 34.129, 317.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 151, 207) }
```

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

```
.background{ background-color: rgb(192,  
151, 207) }
```

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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