

# Converting Colors

CIELCh(67, 34.563, 314.112)

Have a look what the booklet for  
CIELCh(67, 34.563, 314.112)  
contains.

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# Color

**CIELCh(67, 34.405, 313.820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B996D0
RGB	185, 150, 208
RGB Percent	73%, 59%, 82%
CMY	0.2749, 0.4121, 0.1847
CMYK	0.11, 0.28, 0.00, 0.18
HSL	276°, 38%, 70%
HSV	276°, 28%, 82%
XYZ	42.2461, 36.6320, 64.4516
YIQ	167.0770, 2.2420, 25.4580

# Conversions

## Conversions Part 2

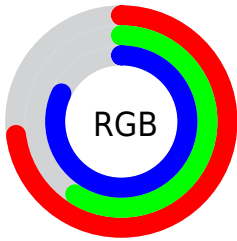
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 150, 208
Decimal	12162768
CIELab	67.00, 23.82, -24.82
CIELCh	67, 34.405, 313.820
Yxy	36.6320, 0.2947, 0.2556
Android (android.graphics.Color)	4290352848 (0xFFB996D0)
YUV	167.0770, 20.1750, 15.7185
Hunter-Lab	60.5244, 18.6757, -20.7701

# Details

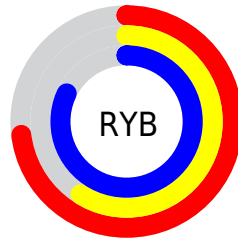
The CIELCh color  $67, 34.405, 313.820$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $80, 33.409, 131.336$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 29.845, 318.007$ , and  $47, 34.023, 313.777$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 47.071, 314.282$ , and if you desaturate by 10%, it is  $73, 21.845, 313.358$ .

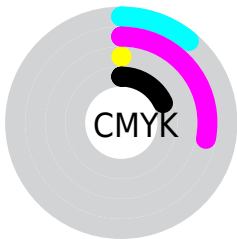
# Distribution



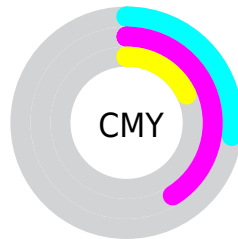
- Red (73%)
- Green (59%)
- Blue (82%)



- Red (73%)
- Yellow (59%)
- Blue (82%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)




- Cyan (27%)
- Magenta (41%)
- Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 34.405, 313.820 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 67, 34.405, 313.820 by changing the saturation by 10% instead.




 67, 34.405,  
313.820


 67, 34.405,  
313.820


 100, 34.405,  
313.820


 57, 34.405,  
313.820


 87, 34.405,  
313.820

 47, 34.405,  
313.820

 97, 34.405,  
313.820

 37, 34.405,  
313.820

 27, 34.405,  
313.820

 17, 34.405,  
313.820

 7, 34.405, 313.820

 0, 34.405, 313.820

67, 34.405,  
313.820

67, 34.405,  
313.820

61, 47.071,  
314.282

73, 21.845,  
313.358

56, 59.635,  
314.719

79, 9.524, 312.910

51, 71.750,  
315.091

85, 2.494, 132.578

91, 14.175,  
132.149

46, 82.905,  
315.338

97, 25.509,  
131.803

42, 92.422,  
315.383

97, 25.076,  
125.986

39, 99.562,  
315.138


98, 24.277,  
119.264

36, 103.928,  
314.550

99, 23.847,  
112.086

36, 104.708,

314.417

 99, 23.783,  
108.374

# Harmonies

# Complementary

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



67, 34.405, 313.820



80, 33.409, 131.336

# Rectangle

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



67, 34.405, 313.820



67, 34.405, 3.820



67, 34.405, 133.820



67, 34.405, 183.820

# Sweetspot

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



67, 34.403, 313.820



94, 11.394, 312.919



70, 20.281, 269.765



49, 8.112, 312.986



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



67, 34.403, 313.820



77, 48.248, 314.075



69, 35.296, 328.890



41, 6.890, 312.977



28, 89.365, 314.578



3, 27.448, 311.688



# Inverse Universe

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



68, 25.438, 352.467



79, 35.663, 353.176



78, 35.254, 145.296



41, 5.075, 350.428



36, 62.120, 11.602

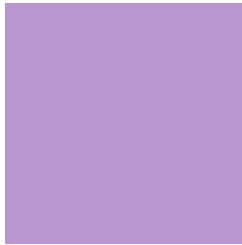


5, 20.974, 0.317



# Previews

## White Background



This preview shows how the CIELCh color 67, 34.405, 313.820 looks on a white background.

## Color Contrast Check

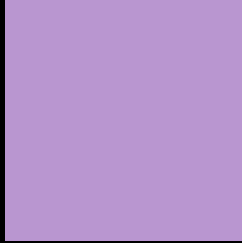
Large Text (above 18pt) WCAG AA × Fail

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 67, 34.405, 313.820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

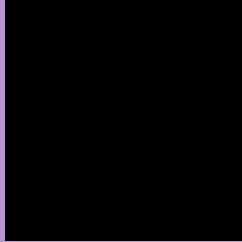
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 34.405, 313.820

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 34.405, 313.820.



This preview shows how white text looks on a background with the CIELCh color 67, 34.405, 313.820.

# 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**  
67, 34.405, 313.820

**Protanopia**  
67, 30.537, 285.413

**Deuteranopia**  
67, 25.434, 290.491





**Tritanopia**  
67, 10.703, 342.230

# Trichromacy



**Original Color**  
67, 34.405, 313.820

**Protanomaly**  
67, 31.068, 295.726

**Deuteranomaly**  
67, 28.574, 300.500

**Tritanomaly**  
67, 18.942, 323.357

# Monochromacy



**Original Color**  
67, 34.405, 313.820

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 12.591, 313.582

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 34.405, 313.820 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(185, 150, 208)` looks like.

```
.text, #text, p{  
    color:rgb(185, 150, 208)  
}
```

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(185, 150, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 150, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 34.405, 313.820 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(185, 150, 208) }
```

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

```
.border{ border-color:rgb(185, 150, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 150, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 150, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 150, 208);  
box-shadow:4px 4px 4px 4px rgb(185, 150,  
208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 34.405, 313.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 150, 208) }
```

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

```
.background{ background-color: rgb(185,  
150, 208) }
```

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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