

# Converting Colors

CIELCh(68, 34.596, 332.736)

Have a look what the booklet for  
CIELCh(68, 34.596, 332.736)  
contains.

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# Color

**CIELCh(68, 34.968, 332.799)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D092C3
RGB	208, 146, 195
RGB Percent	82%, 57%, 76%
CMY	0.1838, 0.4269, 0.2348
CMYK	0.00, 0.30, 0.06, 0.18
HSL	313°, 40%, 69%
HSV	313°, 30%, 82%
XYZ	46.2135, 37.9720, 56.6011
YIQ	170.1240, 21.2230, 28.3830

# Conversions

## Conversions Part 2

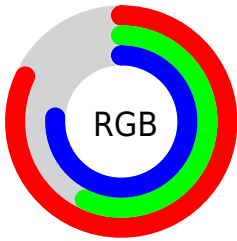
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 146, 195
Decimal	13669059
CIE <sub>Lab</sub>	68.00, 31.10, -15.98
CIE <sub>LCh</sub>	68, 34.968, 332.799
Yxy	37.9720, 0.3283, 0.2697
Android (android.graphics.Color)	4291859139 (0xFFD092C3)
YUV	170.1240, 12.2639, 33.2173
Hunter-Lab	61.6215, 26.0299, -11.3246

# Details

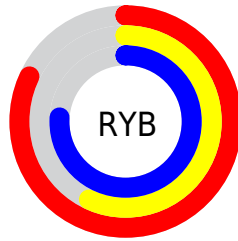
The CIELCh color  $68, 34.968, 332.799$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $78, 34.799, 148.600$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $87, 32.619, 327.163$ , and  $48, 35.208, 333.112$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 46.380, 333.503$ , and if you desaturate by 10%, it is  $73, 23.227, 332.119$ .

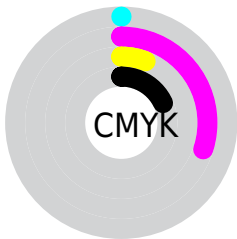
# Distribution



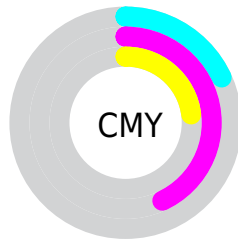
- Red (82%)
- Green (57%)
- Blue (76%)



- Red (82%)
- Yellow (57%)
- Blue (76%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (18%)



- Cyan (18%)
- Magenta (43%)
- Yellow (23%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 34.968, 332.799 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, 34.968, 332.799 by changing the saturation by 10% instead.



 68, 34.968,  
332.799

 68, 34.968,  
332.799


 100, 34.968,  
332.799

 58, 34.968,  
332.799


 88, 34.968,  
332.799

 48, 34.968,  
332.799

 98, 34.968,  
332.799

 38, 34.968,  
332.799

 28, 34.968,  
332.799

 18, 34.968,  
332.799

 8, 34.968, 332.799

 0, 34.968, 332.799

68, 34.968,  
332.799

68, 34.968,  
332.799

63, 46.380,  
333.503

73, 23.227,  
332.119

59, 57.096,  
334.233

78, 11.434,  
331.455

55, 66.639,  
334.998

84, 0.235, 152.228

52, 74.474,  
335.811

89, 11.666,  
150.290

50, 80.109,  
336.699

95, 22.798,  
149.710

48, 83.244,  
337.699

96, 24.011,  
152.190


47, 84.187,  
338.833

96, 22.383,  
156.007

47, 84.201,

96, 20.856,  
160.382

338.858

 96, 19.456,  
165.395

# Harmonies

# Complementary

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



68, 34.968, 332.799



78, 34.799, 148.600

# Rectangle

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



68, 34.968, 332.799



68, 34.968, 22.799



68, 34.968, 152.799



68, 34.968, 202.799

# Sweetspot

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



68, 34.965, 332.799



94, 12.388, 331.409



64, 35.005, 300.460



49, 8.617, 331.507



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, 34.965, 332.799



78, 49.641, 333.263



67, 26.094, 359.242



41, 6.650, 331.429



38, 72.053, 338.664



5, 26.457, 336.123



# Inverse Universe

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



68, 34.965, 332.799



78, 49.641, 333.263



79, 23.895, 173.030



41, 6.650, 331.429



38, 72.053, 338.664

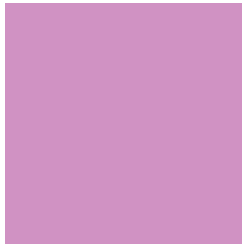


5, 26.457, 336.123



# Previews

## White Background



This preview shows how the CIELCh color 68, 34.968, 332.799 looks on a white background.

## Color Contrast Check

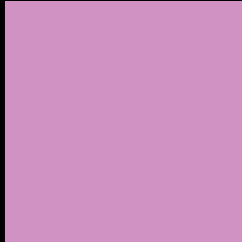
Large Text (above 18pt) WCAG AA × Fail

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, 34.968, 332.799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

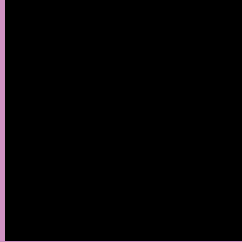
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 34.968, 332.799**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 34.968, 332.799.



This preview shows how white text looks on a background with the CIELCh color 68, 34.968, 332.799.

# 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**  
68, 34.968, 332.799

**Protanopia**  
68, 24.316, 286.315

**Deuteranopia**  
68, 16.844, 301.562





**Tritanopia**  
68, 21.301, 3.658

# Trichromacy



**Original Color**  
68, 34.968, 332.799

**Protanomaly**  
68, 25.643, 305.933

**Deuteranomaly**  
68, 22.864, 318.319

**Tritanomaly**  
68, 25.266, 349.268

# Monochromacy



**Original Color**  
68, 34.968, 332.799

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
69, 13.156, 331.906

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 34.968, 332.799 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(208, 146, 195)` looks like.

```
.text, #text, p{  
    color:rgb(208, 146, 195)  
}
```

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(208, 146, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 146, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 34.968, 332.799 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(208, 146, 195) }
```

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

```
.border{ border-color:rgb(208, 146, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 146, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 146, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 146, 195);  
box-shadow:4px 4px 4px 4px rgb(208, 146,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 34.968, 332.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 146, 195) }
```

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

```
.background{ background-color: rgb(208,  
146, 195) }
```

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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