

# Converting Colors

CIELCh(68, 17.899, 304.334)

Have a look what the booklet for  
CIELCh(68, 17.899, 304.334)  
contains.

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# **Color**

**CIELCh(68, 17.617, 304.748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACA1C0
RGB	172, 161, 192
RGB Percent	67%, 63%, 75%
CMY	0.3262, 0.3693, 0.2478
CMYK	0.10, 0.16, 0.00, 0.25
HSL	261°, 20%, 69%
HSV	261°, 16%, 75%
XYZ	39.1780, 37.9720, 55.0226
YIQ	167.8230, -3.3950, 11.9730

# Conversions

## Conversions Part 2

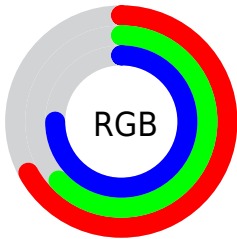
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 161, 192
Decimal	11313600
CIE <sub>Lab</sub>	68.00, 10.04, -14.48
CIE <sub>LCh</sub>	68, 17.617, 304.748
Yxy	37.9720, 0.2964, 0.2873
Android (android.graphics.Color)	4289503680 (0xFFACA1C0)
YUV	167.8230, 11.9193, 3.6632
Hunter-Lab	61.6215, 5.6502, -9.8058

# Details

The CIELCh color  $68, 17.617, 304.748$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $76, 17.119, 122.999$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $88, 17.297, 305.281$ , and  $48, 17.699, 305.875$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 28.987, 305.400$ , and if you desaturate by 10%, it is  $74, 6.605, 304.158$ .

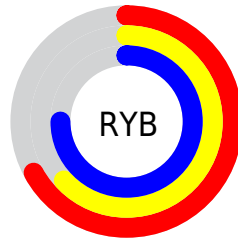
# Distribution



Red (67%)

Green (63%)

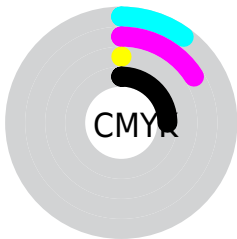
Blue (75%)



Red (67%)

Yellow (63%)

Blue (75%)

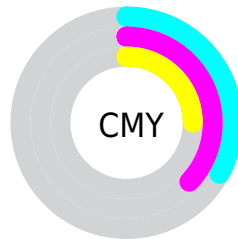


Cyan (10%)

Magenta (16%)

Yellow (0%)

Black (25%)



Cyan (33%)

Magenta (37%)

Yellow (25%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 17.617, 304.748 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, 17.617, 304.748 by changing the saturation by 10% instead.



 68, 17.617,  
304.748

 68, 17.617,  
304.748

 100, 17.617,  
304.748

 58, 17.617,  
304.748


 88, 17.617,  
304.748

 48, 17.617,  
304.748

 98, 17.617,  
304.748

 38, 17.617,  
304.748

 28, 17.617,  
304.748

 18, 17.617,  
304.748

 8, 17.617, 304.748

 0, 17.617, 304.748

68, 17.617,  
304.748

68, 17.617,  
304.748

62, 28.987,  
305.400

74, 6.605, 304.158

56, 40.686,  
306.118

80, 4.037, 123.671

50, 52.622,  
306.885

86, 14.319,  
123.209

45, 64.603,  
307.669

92, 24.256,  
122.817

39, 76.269,  
308.407

97, 32.904,  
121.820

35, 86.996,  
308.998

98, 32.020,  
113.821

31, 95.866,  
309.300

99, 31.812,  
107.757

28, 101.905,

309.163

■ 27, 103.820,  
309.084

# Harmonies

# Complementary

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



68, 17.617, 304.748



76, 17.119, 122.999

# Rectangle

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



68, 17.617, 304.748



68, 17.617, 354.748



68, 17.617, 124.748



68, 17.617, 174.748

# Sweetspot

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



68, 17.615, 304.746



95, 6.639, 304.097



72, 9.115, 239.458



50, 4.533, 304.137



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



68, 17.615, 304.746



84, 25.813, 304.945



69, 19.612, 321.016



38, 6.164, 304.341



22, 90.897, 309.216



2, 19.831, 300.690



# Inverse Universe

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



69, 15.998, 337.752



86, 23.366, 338.003



75, 19.496, 139.475



38, 5.631, 337.223



35, 63.387, 348.820



3, 17.450, 343.514



# Previews

## White Background



This preview shows how the CIELCh color 68, 17.617, 304.748 looks on a white background.

## Color Contrast Check

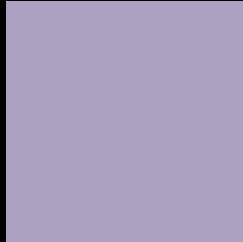
Large Text (above 18pt) WCAG AA × Fail

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, 17.617, 304.748 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, 17.617, 304.748

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 17.617, 304.748.



This preview shows how white text looks on a background with the CIELCh color 68, 17.617, 304.748.

# 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, 17.617, 304.748

### Protanopia

68, 16.569, 287.025

### Deuteranopia

68, 16.785, 300.359





**Tritanopia**  
68, 7.541, 308.037

# Trichromacy



**Original Color**  
68, 17.617, 304.748

**Protanomaly**  
68, 16.562, 293.069

**Deuteranomaly**  
68, 16.844, 301.562

**Tritanomaly**  
68, 11.464, 306.049

# Monochromacy



**Original Color**  
68, 17.617, 304.748

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
68, 6.796, 303.409

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 17.617, 304.748 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(172, 161, 192)` looks like.

```
.text, #text, p{  
    color:rgb(172, 161, 192)  
}
```

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(172, 161, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 161, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 17.617, 304.748 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(172, 161, 192) }
```

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

```
.border{ border-color:rgb(172, 161, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 161, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 161, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 161, 192);  
box-shadow:4px 4px 4px 4px rgb(172, 161,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 17.617, 304.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 161, 192) }
```

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

```
.background{ background-color: rgb(172,  
161, 192) }
```

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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