

# Converting Colors

CIELCh(68, 11.638, 327.855)

Have a look what the booklet for  
CIELCh(68, 11.638, 327.855)  
contains.

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# **Color**

**CIELCh(68, 11.807, 328.018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A0B1
RGB	179, 160, 177
RGB Percent	70%, 63%, 69%
CMY	0.2975, 0.3720, 0.3053
CMYK	0.00, 0.11, 0.01, 0.30
HSL	306°, 11%, 67%
HSV	306°, 11%, 70%
XYZ	39.1698, 37.9720, 46.9355
YIQ	167.6190, 5.8670, 9.3150

# Conversions

## Conversions Part 2

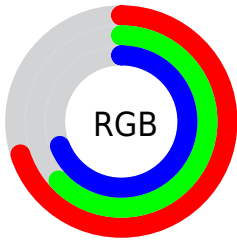
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 160, 177
Decimal	11772081
CIELab	68.00, 10.01, -6.25
CIELCh	68, 11.807, 328.018
Yxy	37.9720, 0.3157, 0.3060
Android (android.graphics.Color)	4289962161 (0xFFB3A0B1)
YUV	167.6190, 4.6248, 9.9811
Hunter-Lab	61.6215, 5.6262, -2.0247

# Details

The CIELCh color  $68, 11.807, 328.018$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $71, 11.781, 146.807$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $88, 11.841, 327.738$ , and  $48, 11.183, 328.553$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 23.024, 328.611$ , and if you desaturate by 10%, it is  $73, 0.677, 327.084$ .

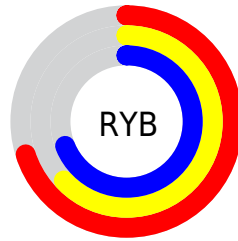
# Distribution



Red (70%)

Green (63%)

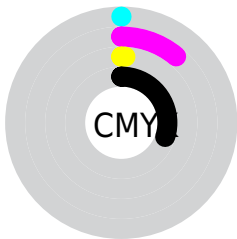
Blue (69%)



Red (70%)

Yellow (63%)

Blue (69%)

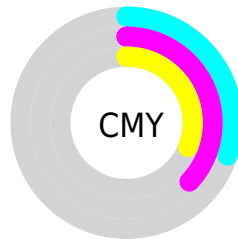


Cyan (0%)

Magenta (11%)

Yellow (1%)

Black (30%)



Cyan (30%)

Magenta (37%)


Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 11.807, 328.018 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, 11.807, 328.018 by changing the saturation by 10% instead.





 68, 11.807,  
328.018


 68, 11.807,  
328.018


 100, 11.807,  
328.018


 58, 11.807,  
328.018


 88, 11.807,  
328.018

 48, 11.807,  
328.018

 98, 11.807,  
328.018

 38, 11.807,  
328.018

 28, 11.807,  
328.018

 18, 11.807,  
328.018

 8, 11.807, 328.018

 0, 11.807, 328.018

68, 11.807,  
328.018

68, 11.807,  
328.018

63, 23.024,  
328.611

73, 0.677, 327.084

59, 34.158,  
329.201

78, 10.248,  
146.941

55, 44.952,  
329.786

82, 20.903,  
146.394

51, 55.064,  
330.357

87, 31.253,  
145.880

48, 64.070,  
330.909

92, 41.286,  
145.393

45, 71.510,  
331.438

94, 43.637,  
145.780

43, 76.974,  
331.947


94, 42.866,  
146.546

42, 80.228,

94, 42.101,  
147.338

332.444

 94, 41.341,  
148.158

 41, 81.652,  
332.913

# Harmonies

# Complementary

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



68, 11.807, 328.018



71, 11.781, 146.807

# Rectangle

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



68, 11.807, 328.018



68, 11.807, 18.018



68, 11.807, 148.018



68, 11.807, 198.018

# Sweetspot

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



68, 11.805, 328.019



90, 4.104, 327.531



67, 10.558, 295.018



48, 3.137, 327.592



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



68, 11.805, 328.019



84, 17.881, 328.174



68, 8.397, 350.325



35, 6.280, 327.941



35, 72.757, 332.849



2, 14.598, 329.015



# Inverse Universe

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



68, 11.805, 328.019



84, 17.881, 328.174



71, 8.223, 168.523



35, 6.280, 327.941



35, 72.757, 332.849



2, 14.598, 329.015



# Previews

## White Background



This preview shows how the CIELCh color 68, 11.807, 328.018 looks on a white background.

## Color Contrast Check

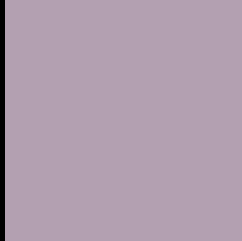
Large Text (above 18pt) WCAG AA × Fail

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, 11.807, 328.018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

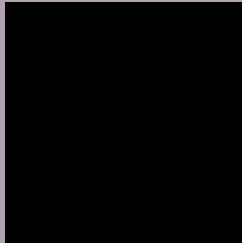
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 11.807, 328.018**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 11.807, 328.018.



This preview shows how white text looks on a background with the CIELCh color 68, 11.807, 328.018.

# 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, 11.807, 328.018

### Protanopia

68, 8.267, 291.024

### Deuteranopia

68, 10.700, 324.908





**Tritanopia**  
68, 9.513, 336.334

# Trichromacy



**Original Color**  
68, 11.807, 328.018

**Protanomaly**  
68, 9.231, 307.269

**Deuteranomaly**  
68, 10.914, 326.567

**Tritanomaly**  
68, 10.297, 331.919

# Monochromacy



**Original Color**  
68, 11.807, 328.018

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
68, 4.252, 328.787

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 11.807, 328.018 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(179, 160, 177)` looks like.

```
.text, #text, p{  
    color:rgb(179, 160, 177)  
}
```

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(179, 160, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 160, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 11.807, 328.018 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(179, 160, 177) }
```

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

```
.border{ border-color:rgb(179, 160, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 160, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 160, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 160, 177); box-shadow:4px 4px 4px 4px rgb(179, 160, 177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 11.807, 328.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 160, 177) }
```

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

```
.background{ background-color: rgb(179,  
160, 177) }
```

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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