

# Converting Colors

CIELCh(69, 11.875, 318.929)

Have a look what the booklet for  
CIELCh(69, 11.875, 318.929)  
contains.

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# Color

**CIELCh(69, 11.875, 318.929)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3A4B7
RGB	179, 164, 183
RGB Percent	70%, 64%, 72%
CMY	0.2996, 0.3584, 0.2840
CMYK	0.02, 0.10, 0.00, 0.28
HSL	287°, 12%, 68%
HSV	287°, 10%, 72%
XYZ	40.2045, 39.3444, 50.0518
YIQ	170.6510, 2.8410, 9.0890

# Conversions

## Conversions Part 2

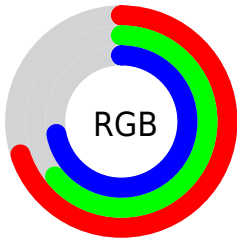
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 164, 183
Decimal	11773111
CIE Lab	69.00, 8.95, -7.80
CIE LCh	69, 11.875, 318.929
Yxy	39.3444, 0.3102, 0.3036
Android (android.graphics.Color)	4289963191 (0xFFB3A4B7)
YUV	170.6510, 6.0881, 7.3221
Hunter-Lab	62.7251, 4.6430, -3.4032

# Details

The CIELCh color  $69, 11.875, 318.929$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $73, 11.801, 138.037$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 11.906, 319.162$ , and  $49, 11.971, 318.711$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 23.468, 319.377$ , and if you desaturate by 10%, it is  $74, 0.460, 318.094$ .

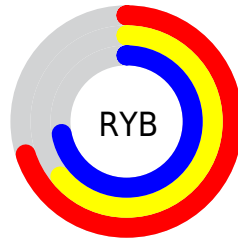
# Distribution



Red (70%)

Green (64%)

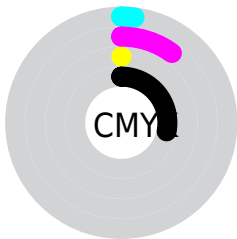
Blue (72%)



Red (70%)

Yellow (64%)

Blue (72%)

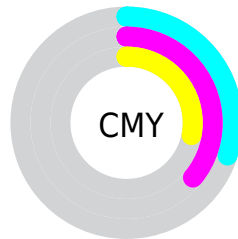


Cyan (2%)

Magenta (10%)

Yellow (0%)

Black (28%)



Cyan (30%)

Magenta (36%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 11.875, 318.929 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 69, 11.875, 318.929 by changing the saturation by 10% instead.





 69, 11.875,  
318.929


 69, 11.875,  
318.929


 100, 11.875,  
318.929


 59, 11.875,  
318.929


 89, 11.875,  
318.929

 49, 11.875,  
318.929

 99, 11.875,  
318.929

 39, 11.875,  
318.929

 29, 11.875,  
318.929

 19, 11.875,  
318.929

 9, 11.875, 318.929

 0, 11.875, 318.929

69, 11.875,  
318.929

69, 11.875,  
318.929

64, 23.468,  
319.377

74, 0.460, 318.094

59, 35.121,  
319.816

79, 10.700,  
138.116

55, 46.641,  
320.230

84, 21.566,  
137.717

50, 57.741,  
320.593

89, 32.122,  
137.350

46, 68.026,  
320.871

95, 42.366,  
137.012

43, 77.002,  
321.021

95, 41.736,  
135.476


40, 84.136,  
320.996


95, 41.073,  
133.862

38, 88.997,

95, 40.440,  
132.177

320.754

 96, 39.842,  
130.421

 37, 91.783,  
320.341

# Harmonies

# Complementary

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



69, 11.875, 318.929



73, 11.801, 138.037

# Rectangle

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



69, 11.875, 318.929



69, 11.875, 8.929



69, 11.875, 138.929



69, 11.875, 188.929

# Sweetspot

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



69, 11.873, 318.928



92, 4.211, 318.570



69, 8.282, 280.656



49, 3.220, 318.616



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



69, 11.873, 318.928



86, 16.969, 319.010



69, 10.364, 334.284



36, 6.491, 318.880



31, 81.506, 320.431



2, 17.161, 315.861



# Inverse Universe

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



69, 7.613, 3.361



86, 10.914, 3.555



73, 10.314, 152.934



36, 4.155, 3.247



32, 63.383, 27.841



2, 10.933, 6.821



# Previews

## White Background



This preview shows how the CIELCh color 69, 11.875, 318.929 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 69, 11.875, 318.929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

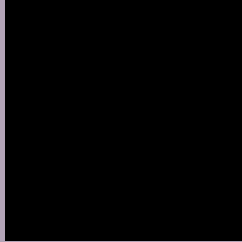
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 69, 11.875, 318.929

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 11.875, 318.929.



This preview shows how white text looks on a background with the CIELCh color 69, 11.875, 318.929.

# 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

69, 11.875, 318.929

### Protanopia

69, 9.896, 291.178

### Deuteranopia

69, 11.707, 317.308





**Tritanopia**  
69, 8.901, 326.835

# Trichromacy



**Original Color**  
69, 11.875, 318.929

**Protanomaly**  
69, 10.095, 301.560

**Deuteranomaly**  
69, 11.707, 317.308

**Tritanomaly**  
69, 9.802, 323.037

# Monochromacy



**Original Color**  
69, 11.875, 318.929

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
69, 4.297, 316.309

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 11.875, 318.929 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, 164, 183)` looks like.

```
.text, #text, p{  
    color:rgb(179, 164, 183)  
}
```

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, 164, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 164, 183) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 11.875, 318.929 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, 164, 183) }
```

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

```
.border{ border-color:rgb(179, 164, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 164, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 164, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 164, 183);  
box-shadow:4px 4px 4px 4px rgb(179, 164,  
183) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 11.875, 318.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 164, 183) }
```

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

```
.background{ background-color: rgb(179,  
164, 183) }
```

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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