

# Converting Colors

CIELCh(59, 39.694, 324.134)

Have a look what the booklet for  
CIELCh(59, 39.694, 324.134)  
contains.

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**Color**

**CIELCh(59, 39.916, 324.315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B37AB7</a>
RGB	<a href="#">179, 122, 183</a>
RGB Percent	<a href="#">70%, 48%, 72%</a>
CMY	<a href="#">0.2970, 0.5206, 0.2813</a>
CMYK	<a href="#">0.02, 0.33, 0.00, 0.28</a>
HSL	<a href="#">296°, 30%, 60%</a>
HSV	<a href="#">296°, 33%, 72%</a>
XYZ	<a href="#">34.2192, 27.0277, 48.3600</a>
YIQ	<a href="#">145.9970, 14.3910, 31.0550</a>

# Conversions

## Conversions Part 2

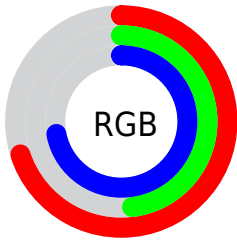
Format	Color
<a href="#">RYB</a>	<a href="#">179, 122, 183</a>
Decimal	<a href="#">11762359</a>
CIELab	<a href="#">59.00, 32.42, -23.28</a>
CIELCh	<a href="#">59, 39.916, 324.315</a>
Yxy	<a href="#">27.0277, 0.3122, 0.2466</a>
Android (android.graphics.Color)	<a href="#">4289952439 (0xFFB37AB7)</a>
YUV	<a href="#">145.9970, 18.2425, 28.9436</a>
Hunter-Lab	<a href="#">51.9882, 26.5111, -18.7605</a>

# Details

The CIELCh color  $59, 39.916, 324.315$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $69, 39.768, 140.536$ , and the grayscale version is  $61, 0.008, 296.813$ .

A 20% lighter version of the original color is  $79, 40.099, 324.564$ , and  $39, 39.901, 324.147$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 51.472, 324.766$ , and if you desaturate by 10%, it is  $63, 27.965, 323.829$ .

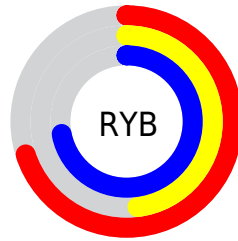
# Distribution



Red (70%)

Green (48%)

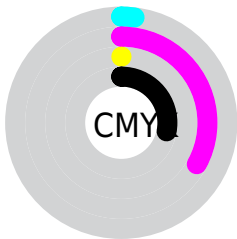
Blue (72%)



Red (70%)

Yellow (48%)

Blue (72%)

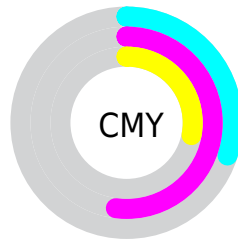


Cyan (2%)

Magenta (33%)

Yellow (0%)

Black (28%)



Cyan (30%)

Magenta (52%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 39.916, 324.315 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 59, 39.916, 324.315 by changing the saturation by 10% instead.





 59, 39.916,  
324.315


 59, 39.916,  
324.315


 100, 39.916,  
324.315


 49, 39.916,  
324.315


 79, 39.916,  
324.315


 39, 39.916,  
324.315

 89, 39.916,  
324.315

 29, 39.916,  
324.315

 99, 39.916,  
324.315

 19, 39.916,  
324.315

 9, 39.916, 324.315

 0, 39.916, 324.315

59, 39.916,  
324.315

59, 39.916,  
324.315

55, 51.472,  
324.766

63, 27.965,  
323.829

51, 62.271,  
325.163

68, 15.901,  
323.324

48, 71.860,  
325.481

73, 3.913, 322.780

45, 79.761,  
325.697

78, 7.873, 142.376

43, 85.564,  
325.791

83, 19.380,  
141.884


42, 89.070,  
325.752

88, 30.569,  
141.426

41, 90.514,  
325.673

93, 41.421,  
140.996

94, 43.827,  
140.577

 94, 43.593,  
140.151

# Harmonies

# Complementary

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



59, 39.916, 324.315



69, 39.768, 140.536

# Rectangle

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



59, 39.916, 324.315



59, 39.916, 14.315



59, 39.916, 144.315



59, 39.916, 194.315

# Sweetspot

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



59, 39.914, 324.315



88, 14.724, 323.163



55, 32.768, 291.713



46, 10.136, 323.236



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



59, 39.914, 324.315



71, 58.816, 324.652



59, 30.298, 343.101



36, 6.772, 323.120



35, 80.184, 325.704



3, 18.221, 321.960



# Inverse Universe

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



58, 25.505, 17.312



69, 38.599, 18.470



70, 29.466, 157.237



36, 4.013, 14.613



32, 69.429, 36.906

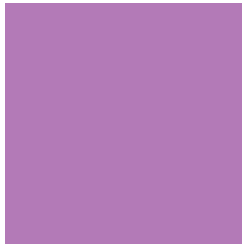


2, 10.674, 15.423



# Previews

## White Background



This preview shows how the CIELCh color 59, 39.916, 324.315 looks on a white background.

## Color Contrast Check

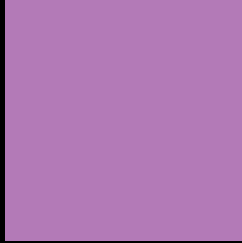
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 39.916, 324.315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

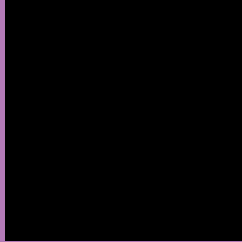
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 39.916, 324.315

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 39.916, 324.315.

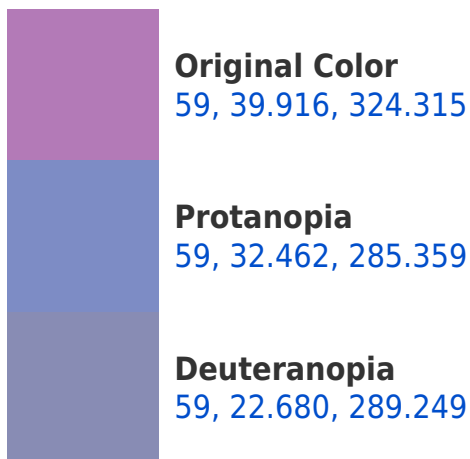


This preview shows how white text looks on a background with the CIELCh color 59, 39.916, 324.315.

# 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







**Tritanopia**  
59, 17.726, 2.922

# Trichromacy



**Original Color**  
59, 39.916, 324.315

**Protanomaly**  
59, 33.236, 300.140

**Deuteranomaly**  
59, 27.535, 306.343

**Tritanomaly**  
59, 23.977, 340.982

# Monochromacy



**Original Color**  
59, 39.916, 324.315

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
60, 15.307, 322.761

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 39.916, 324.315 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, 122, 183)` looks like.

```
.text, #text, p{  
    color:rgb(179, 122, 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, 122, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 122, 183) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 39.916, 324.315 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, 122, 183) }
```

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

```
.border{ border-color:rgb(179, 122, 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, 122, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 122, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 122, 183); box-shadow:4px 4px 4px 4px rgb(179, 122, 183) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 39.916, 324.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 122, 183) }
```

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

```
.background{ background-color: rgb(179,  
122, 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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