

# Converting Colors

CIELCh(58, 39.713, 319.976)

Have a look what the booklet for  
CIELCh(58, 39.713, 319.976)  
contains.

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**Color**

**CIELCh(58, 39.197, 319.986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB7AB8
RGB	171, 122, 184
RGB Percent	67%, 48%, 72%
CMY	0.3302, 0.5223, 0.2792
CMYK	0.07, 0.34, 0.00, 0.28
HSL	287°, 30%, 60%
HSV	287°, 34%, 72%
XYZ	32.3186, 25.9610, 48.5451
YIQ	143.7190, 9.3020, 29.6700

# Conversions

## Conversions Part 2

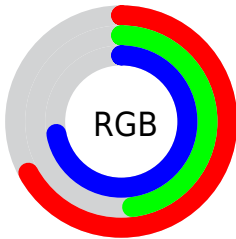
Format	Color
R <sub>Y</sub> B	171, 122, 184
Decimal	11238072
CIE Lab	58.00, 30.02, -25.20
CIE LCh	58, 39.197, 319.986
Yxy	25.9610, 0.3025, 0.2430
Android (android.graphics.Color)	4289428152 (0xFFAB7AB8)
YUV	143.7190, 19.8585, 23.9254
Hunter-Lab	50.9519, 24.0559, -20.8230

# Details

The CIELCh color **58, 39.197, 319.986** is a light color, and the websafe version is hex **996699**. A complement of this color would be **70, 38.581, 136.742**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 39.142, 320.018**, and **38, 39.511, 320.059** is the 20% darker color. If you saturate the color by 10%, you get **53, 50.673, 320.386**, and if you desaturate by 10%, it is **63, 27.496, 319.553**.

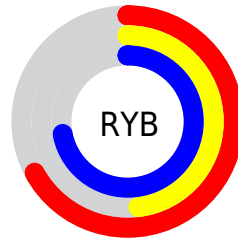
# Distribution



Red (67%)

Green (48%)

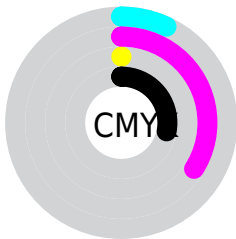
Blue (72%)



Red (67%)

Yellow (48%)

Blue (72%)

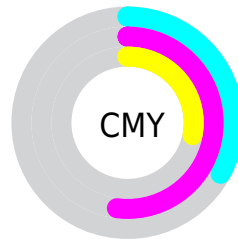


Cyan (7%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (33%)

Magenta (52%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 39.197, 319.986 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 58, 39.197, 319.986 by changing the saturation by 10% instead.





 58, 39.197,  
319.986


 58, 39.197,  
319.986


 100, 39.197,  
319.986

 48, 39.197,  
319.986


 78, 39.197,  
319.986

 38, 39.197,  
319.986

 88, 39.197,  
319.986

 28, 39.197,  
319.986

 98, 39.197,  
319.986

 18, 39.197,  
319.986

 8, 39.197, 319.986

 0, 39.197, 319.986

58, 39.197,  
319.986

58, 39.197,  
319.986

53, 50.673,  
320.386

63, 27.496,  
319.553

49, 61.607,  
320.725

68, 15.800,  
319.106

45, 71.563,  
320.965

73, 4.252, 318.636

42, 80.020,  
321.062

78, 7.061, 138.287

40, 86.458,  
320.970

83, 18.089,  
137.871


38, 90.521,  
320.649

88, 28.810,  
137.494

37, 92.224,  
320.368

93, 39.215,  
137.146

95, 41.204,  
135.884

 95, 40.533,  
134.255

# Harmonies

# Complementary

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



58, 39.197, 319.986



70, 38.581, 136.742

# Rectangle

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



58, 39.197, 319.986



58, 39.197, 9.986



58, 39.197, 139.986



58, 39.197, 189.986

# Sweetspot

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



58, 39.195, 319.986



88, 14.243, 318.945



57, 27.893, 284.304



46, 9.723, 319.008



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



58, 39.195, 319.986



70, 57.612, 320.269



59, 33.964, 336.014



36, 6.493, 318.907



31, 81.495, 320.461



2, 17.167, 315.897



# Inverse Universe

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



58, 26.159, 6.378



70, 38.936, 7.528



70, 33.636, 150.875



36, 4.154, 3.314



32, 63.418, 27.910

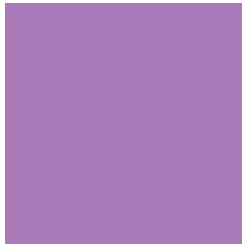


2, 10.930, 6.872



# Previews

## White Background



This preview shows how the CIELCh color 58, 39.197, 319.986 looks on a white background.

## Color Contrast Check

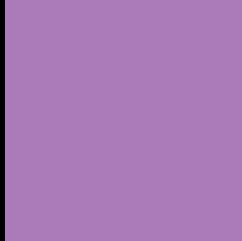
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 39.197, 319.986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

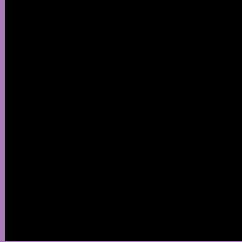
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 39.197, 319.986

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 39.197, 319.986.



This preview shows how white text looks on a background with the CIELCh color 58, 39.197, 319.986.

# 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

58, 39.197, 319.986

### Protanopia

58, 33.131, 285.140

### Deuteranopia

58, 25.056, 288.381





**Tritanopia**  
58, 15.260, 357.091

# Trichromacy



**Original Color**  
58, 39.197, 319.986

**Protanomaly**  
58, 34.350, 298.383

**Deuteranomaly**  
58, 29.587, 302.794

**Tritanomaly**  
58, 22.864, 333.910

# Monochromacy



**Original Color**  
58, 39.197, 319.986

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
59, 14.280, 319.952

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 39.197, 319.986 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(171, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(171, 122, 184)  
}
```

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(171, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 122, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 39.197, 319.986 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(171, 122, 184) }
```

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

```
.border{ border-color:rgb(171, 122, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 122, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(171, 122,  
184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 39.197, 319.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 122, 184) }
```

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

```
.background{ background-color: rgb(171,  
122, 184) }
```

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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