

# Converting Colors

CIELCh(59, 21.596, 347.372)

Have a look what the booklet for  
CIELCh(59, 21.596, 347.372)  
contains.

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**Color**

**CIELCh(59, 21.778, 347.247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF8197
RGB	175, 129, 151
RGB Percent	69%, 51%, 59%
CMY	0.3139, 0.4943, 0.4080
CMYK	0.00, 0.26, 0.14, 0.31
HSL	331°, 22%, 60%
HSV	331°, 26%, 69%
XYZ	31.0927, 27.0277, 32.8344
YIQ	145.2620, 20.3540, 16.5940

# Conversions

## Conversions Part 2

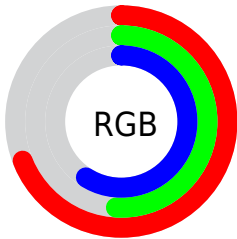
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 129, 151
Decimal	11501975
CIELab	59.00, 21.24, -4.81
CIELCh	59, 21.778, 347.247
Yxy	27.0277, 0.3418, 0.2972
Android (android.graphics.Color)	4289692055 (0xFFAF8197)
YUV	145.2620, 2.8288, 26.0802
Hunter-Lab	51.9882, 15.7766, -1.0543

# Details

The CIELCh color **59, 21.778, 347.247** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **68, 21.009, 162.459**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 21.828, 347.269**, and **39, 21.937, 347.540** is the 20% darker color. If you saturate the color by 10%, you get **55, 30.158, 348.398**, and if you desaturate by 10%, it is **64, 13.375, 346.232**.

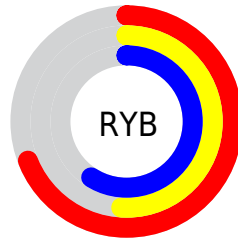
# Distribution



Red (69%)

Green (51%)

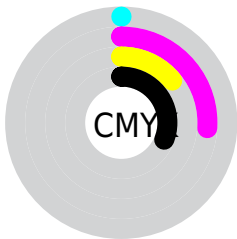
Blue (59%)



Red (69%)

Yellow (51%)

Blue (59%)

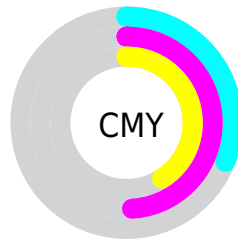


Cyan (0%)

Magenta (26%)

Yellow (14%)

Black (31%)



Cyan (31%)

Magenta (49%)

Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 21.778, 347.247 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, 21.778, 347.247 by changing the saturation by 10% instead.





 59, 21.778,  
347.247

 59, 21.778,  
347.247


 100, 21.778,  
347.247

 49, 21.778,  
347.247

 79, 21.778,  
347.247

 39, 21.778,  
347.247

 89, 21.778,  
347.247

 29, 21.778,  
347.247

 99, 21.778,  
347.247

 19, 21.778,  
347.247

 9, 21.778, 347.247

 0, 21.778, 347.247

59, 21.778,  
347.247

59, 21.778,  
347.247

55, 30.158,  
348.398

64, 13.375,  
346.232

50, 38.295,  
349.729

68, 5.103, 345.288

47, 45.869,  
351.306

73, 2.955, 164.677

43, 52.485,  
353.225

78, 10.753,  
163.846

41, 57.725,  
355.612

83, 18.276,  
163.153

39, 61.280,  
358.625

88, 25.524,  
162.522

38, 63.154, 2.399

93, 32.507,  
161.940

37, 63.728, 3.883

94, 31.583,  
167.053

■ 95, 29.039,  
174.694

# Harmonies

# Complementary

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



59, 21.778, 347.247



68, 21.009, 162.459

# Rectangle

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



59, 21.778, 347.247



59, 21.778, 37.247



59, 21.778, 167.247



59, 21.778, 217.247

# Sweetspot

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



59, 21.776, 347.249



85, 8.038, 345.464



58, 27.683, 310.868



45, 5.769, 345.603



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



59, 21.776, 347.249



72, 32.845, 347.951



59, 18.769, 22.692



34, 4.577, 345.572



32, 57.065, 3.288



2, 9.026, 349.973



# Inverse Universe

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



59, 21.776, 347.249



72, 32.845, 347.951



68, 15.736, 199.681



34, 4.577, 345.572



32, 57.065, 3.288

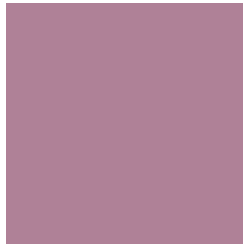


2, 9.026, 349.973



# Previews

## White Background



This preview shows how the CIELCh color 59, 21.778, 347.247 looks on a white background.

## Color Contrast Check

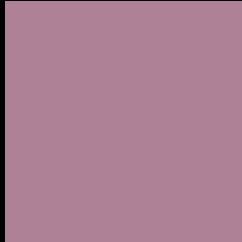
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 59, 21.778, 347.247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

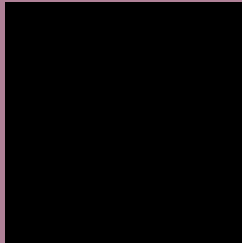
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 21.778, 347.247

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 21.778, 347.247.



This preview shows how white text looks on a background with the CIELCh color 59, 21.778, 347.247.

# 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

59, 21.778, 347.247

### Protanopia

59, 10.206, 289.270

### Deuteranopia

59, 8.555, 333.573





**Tritanopia**  
59, 18.114, 3.388

# Trichromacy



**Original Color**  
59, 21.778, 347.247

**Protanomaly**  
59, 12.429, 320.586

**Deuteranomaly**  
59, 13.223, 340.963

**Tritanomaly**  
59, 19.351, 355.775

# Monochromacy



**Original Color**  
59, 21.778, 347.247

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 8.057, 346.144

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 21.778, 347.247 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(175, 129, 151)` looks like.

```
.text, #text, p{  
    color:rgb(175, 129, 151)  
}
```

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(175, 129, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 129, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 21.778, 347.247 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(175, 129, 151) }
```

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

```
.border{ border-color:rgb(175, 129, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 129, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 129, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 129, 151);  
box-shadow:4px 4px 4px 4px rgb(175, 129,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 21.778, 347.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 129, 151) }
```

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

```
.background{ background-color: rgb(175,  
129, 151) }
```

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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