

# Converting Colors

CIELCh(58, 32.170, 346.141)

Have a look what the booklet for  
CIELCh(58, 32.170, 346.141)  
contains.

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**Color**

**CIELCh(58, 32.278, 345.819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA779A
RGB	186, 119, 154
RGB Percent	73%, 47%, 60%
CMY	0.2706, 0.5334, 0.3961
CMYK	0.00, 0.36, 0.17, 0.27
HSL	329°, 33%, 60%
HSV	329°, 36%, 73%
XYZ	32.6738, 25.9610, 33.8555
YIQ	143.0230, 28.6970, 25.0890

# Conversions

## Conversions Part 2

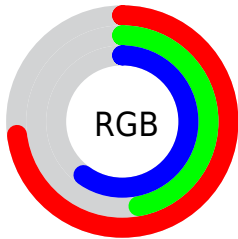
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 119, 154
Decimal	12220314
CIE Lab	58.00, 31.29, -7.91
CIE LCh	58, 32.278, 345.819
Yxy	25.9610, 0.3533, 0.2807
Android (android.graphics.Color)	4290410394 (0xFFBA779A)
YUV	143.0230, 5.4117, 37.6908
Hunter-Lab	50.9519, 25.3003, -3.7294

# Details

The CIELCh color **58, 32.278, 345.819** is a light color, and the websafe version is hex **996699**. A complement of this color would be **70, 31.065, 159.075**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 32.217, 345.981**, and **38, 32.126, 345.543** is the 20% darker color. If you saturate the color by 10%, you get **54, 40.978, 347.053**, and if you desaturate by 10%, it is **63, 23.275, 344.743**.

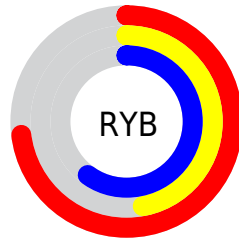
# Distribution



Red (73%)

Green (47%)

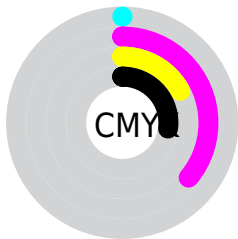
Blue (60%)



Red (73%)

Yellow (47%)

Blue (60%)

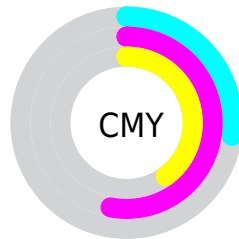


Cyan (0%)

Magenta (36%)

Yellow (17%)

Black (27%)



Cyan (27%)

Magenta (53%)


Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 32.278, 345.819 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, 32.278, 345.819 by changing the saturation by 10% instead.





 58, 32.278,  
345.819


 58, 32.278,  
345.819


 100, 32.278,  
345.819


 48, 32.278,  
345.819


 78, 32.278,  
345.819

 38, 32.278,  
345.819

 88, 32.278,  
345.819

 28, 32.278,  
345.819

 98, 32.278,  
345.819

 18, 32.278,  
345.819

 8, 32.278, 345.819

 0, 32.278, 345.819

58, 32.278,  
345.819

58, 32.278,  
345.819

54, 40.978,  
347.053

63, 23.275,  
344.743

50, 49.035,  
348.498

67, 14.225,  
343.779

46, 56.015,  
350.237

72, 5.289, 342.875

44, 61.464,  
352.381

78, 3.435, 162.275

42, 65.036,  
355.074

83, 11.895,  
161.480

40, 66.692,  
358.458

88, 20.071,  
160.805

40, 67.143,  
359.911

93, 27.960,  
160.188

95, 28.357,  
164.783

■ 95, 25.794,  
172.937

# Harmonies

# Complementary

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



58, 32.278, 345.819



70, 31.065, 159.075

# Rectangle

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



58, 32.278, 345.819



58, 32.278, 35.819



58, 32.278, 165.819



58, 32.278, 215.819

# Sweetspot

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



58, 32.276, 345.820



89, 12.046, 343.341



55, 40.016, 309.753



47, 8.171, 343.463



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



58, 32.276, 345.820



70, 47.567, 346.752



57, 28.281, 20.164



36, 4.943, 343.176



33, 58.927, 359.308



3, 12.367, 349.503



# Inverse Universe

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



58, 32.276, 345.820



70, 47.567, 346.752



71, 22.392, 194.510



36, 4.943, 343.176



33, 58.927, 359.308

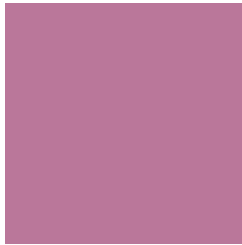


3, 12.367, 349.503



# Previews

## White Background



This preview shows how the CIELCh color 58, 32.278, 345.819 looks on a white background.

## Color Contrast Check

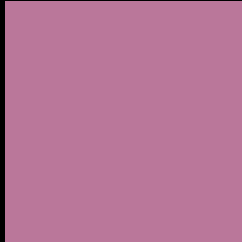
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 32.278, 345.819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

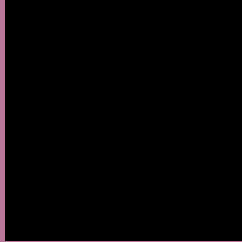
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 58, 32.278, 345.819**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 58, 32.278, 345.819.



This preview shows how white text looks on a background with the CIELCh color 58, 32.278, 345.819.

# 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, 32.278, 345.819

### Protanopia

58, 15.969, 285.599

### Deuteranopia

58, 9.737, 319.221





**Tritanopia**  
58, 25.482, 11.003

# Trichromacy



**Original Color**  
58, 32.278, 345.819

**Protanomaly**  
58, 18.870, 316.497

**Deuteranomaly**  
58, 17.588, 336.159

**Tritanomaly**  
58, 27.108, 0.840

# Monochromacy



**Original Color**  
58, 32.278, 345.819

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 12.261, 343.861

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 32.278, 345.819 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(186, 119, 154)` looks like.

```
.text, #text, p{  
    color:rgb(186, 119, 154)  
}
```

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(186, 119, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 119, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 32.278, 345.819 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(186, 119, 154) }
```

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

```
.border{ border-color:rgb(186, 119, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 119, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 119, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 119, 154);  
box-shadow:4px 4px 4px 4px rgb(186, 119,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 32.278, 345.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 119, 154) }
```

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

```
.background{ background-color: rgb(186,  
119, 154) }
```

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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