

# Converting Colors

CIELCh(58, 29.109, 335.124)

Have a look what the booklet for  
CIELCh(58, 29.109, 335.124)  
contains.

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**Color**

**CIELCh(58, 29.072, 335.108)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF7BA1
RGB	175, 123, 161
RGB Percent	69%, 48%, 63%
CMY	0.3126, 0.5166, 0.3676
CMYK	0.00, 0.30, 0.08, 0.31
HSL	316°, 25%, 59%
HSV	316°, 30%, 69%
XYZ	31.3153, 25.9610, 37.2053
YIQ	142.8800, 18.7940, 22.8420

# Conversions

## Conversions Part 2

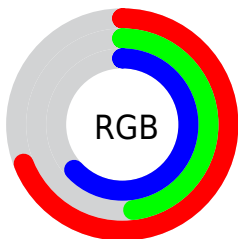
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">175, 123, 161</a>
Decimal	<a href="#">11500449</a>
CIELab	<a href="#">58.00, 26.37, -12.24</a>
CIElCh	<a href="#">58, 29.072, 335.108</a>
Yxy	<a href="#">25.9610, 0.3314, 0.2748</a>
Android (android.graphics.Color)	<a href="#">4289690529 (0xFFAF7BA1)</a>
YUV	<a href="#">142.8800, 8.9332, 28.1692</a>
Hunter-Lab	<a href="#">50.9519, 20.5412, -7.6274</a>

# Details

The CIELCh color **58, 29.072, 335.108** is a light color, and the websafe version is hex **996699**. A complement of this color would be **67, 28.830, 150.764**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 29.128, 334.846**, and **38, 29.191, 335.651** is the 20% darker color. If you saturate the color by 10%, you get **54, 38.645, 335.881**, and if you desaturate by 10%, it is **62, 19.254, 334.378**.

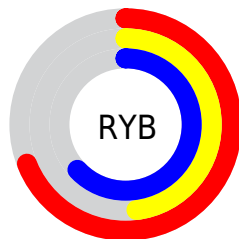
# Distribution



Red (69%)

Green (48%)

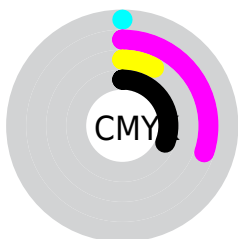
Blue (63%)



Red (69%)

Yellow (48%)

Blue (63%)

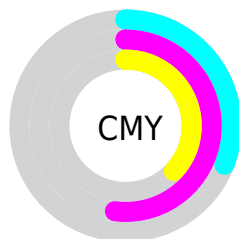


Cyan (0%)

Magenta (30%)

Yellow (8%)

Black (31%)



Cyan (31%)

Magenta (52%)

Yellow (37%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 29.072, 335.108 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, 29.072, 335.108 by changing the saturation by 10% instead.



 58, 29.072,  
335.108

 58, 29.072,  
335.108


 100, 29.072,  
335.108

 48, 29.072,  
335.108


 78, 29.072,  
335.108

 38, 29.072,  
335.108

 88, 29.072,  
335.108

 28, 29.072,  
335.108

 98, 29.072,  
335.108

 18, 29.072,  
335.108

 8, 29.072, 335.108

 0, 29.072, 335.108

58, 29.072,  
335.108

58, 29.072,  
335.108

54, 38.645,  
335.881

62, 19.254,  
334.378

50, 47.676,  
336.705

67, 9.414, 333.675

72, 0.307, 154.028

47, 55.770,  
337.598

77, 9.822, 152.470

44, 62.475,  
338.586

81, 19.083,  
151.872

42, 67.361,  
339.712

86, 28.068,  
151.316

40, 70.141,  
341.030


91, 36.773,  
150.794

39, 71.129,  
342.560

94, 40.262,  
151.620

39, 71.156,

342.610

 94, 38.458,  
154.003

# Harmonies

# Complementary

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



58, 29.072, 335.108



67, 28.830, 150.764

# Rectangle

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



58, 29.072, 335.108



58, 29.072, 25.108



58, 29.072, 155.108



58, 29.072, 205.108

# Sweetspot

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



58, 29.070, 335.109



85, 10.801, 333.638



55, 30.448, 302.661



45, 7.574, 333.739



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



58, 29.070, 335.109



70, 43.376, 335.640



57, 22.099, 4.003



34, 5.459, 333.648



33, 63.726, 342.385



2, 10.767, 336.609



# Inverse Universe

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



58, 29.070, 335.109



70, 43.376, 335.640



68, 19.809, 177.947



34, 5.459, 333.648



33, 63.726, 342.385



2, 10.767, 336.609



# Previews

## White Background



This preview shows how the CIELCh color 58, 29.072, 335.108 looks on a white background.

## Color Contrast Check

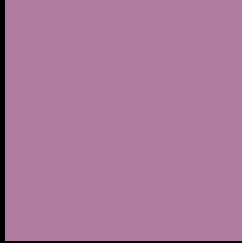
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.072, 335.108 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, 29.072, 335.108

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 29.072, 335.108.



This preview shows how white text looks on a background with the CIELCh color 58, 29.072, 335.108.

# 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, 29.072, 335.108

### Protanopia

58, 18.835, 285.927

### Deuteranopia

58, 13.479, 304.382





**Tritanopia**  
58, 18.464, 5.585

# Trichromacy



**Original Color**  
58, 29.072, 335.108

**Protanomaly**  
58, 20.219, 307.995

**Deuteranomaly**  
58, 18.883, 320.426

**Tritanomaly**  
58, 21.646, 350.509

# Monochromacy



**Original Color**  
58, 29.072, 335.108

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 10.856, 333.606

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 29.072, 335.108 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, 123, 161)` looks like.

```
.text, #text, p{  
    color:rgb(175, 123, 161)  
}
```

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, 123, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 123, 161) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 29.072, 335.108 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, 123, 161) }
```

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

```
.border{ border-color:rgb(175, 123, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 123, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 123, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 123, 161);  
box-shadow:4px 4px 4px 4px rgb(175, 123,  
161) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 29.072, 335.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 123, 161) }
```

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

```
.background{ background-color: rgb(175,  
123, 161) }
```

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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