

# Converting Colors

CIELCh(57, 47.588, 346.783)

Have a look what the booklet for  
CIELCh(57, 47.588, 346.783)  
contains.

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**Color**

**CIELCh(57, 47.606, 346.843)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC679D
RGB	204, 103, 157
RGB Percent	80%, 40%, 62%
CMY	0.2005, 0.5966, 0.3848
CMYK	0.00, 0.50, 0.23, 0.20
HSL	328°, 50%, 60%
HSV	328°, 50%, 80%
XYZ	35.7760, 24.9227, 34.7663
YIQ	139.3550, 42.8620, 38.2060

# Conversions

## Conversions Part 2

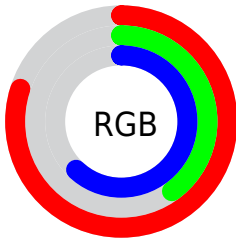
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 103, 157
Decimal	13395869
CIE <sub>Lab</sub>	57.00, 46.36, -10.84
CIE <sub>LCh</sub>	57, 47.606, 346.843
Yxy	24.9227, 0.3748, 0.2611
Android (android.graphics.Color)	4291585949 (0xFFCC679D)
YUV	139.3550, 8.6990, 56.6937
Hunter-Lab	49.9226, 40.5537, -6.3439

# Details

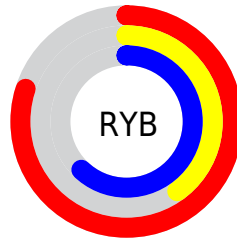
The CIELCh color **57, 47.606, 346.843** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **75, 45.609, 156.722**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 45.493, 344.025**, and **37, 47.747, 346.521** is the 20% darker color. If you saturate the color by 10%, you get **53, 55.924, 348.357**, and if you desaturate by 10%, it is **61, 38.396, 345.562**.

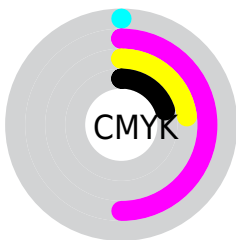
# Distribution



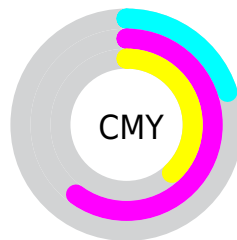
- Red (80%)
- Green (40%)
- Blue (62%)



- Red (80%)
- Yellow (40%)
- Blue (62%)



- Cyan (0%)
- Magenta (50%)
- Yellow (23%)
- Black (20%)



- Cyan (20%)
- Magenta (60%)
- Yellow (38%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 47.606, 346.843 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 57, 47.606, 346.843 by changing the saturation by 10% instead.




 57, 47.606,  
346.843

 57, 47.606,  
346.843

 100, 47.606,  
346.843

 47, 47.606,  
346.843

 77, 47.606,  
346.843

 37, 47.606,  
346.843

 87, 47.606,  
346.843

 27, 47.606,  
346.843

 97, 47.606,  
346.843

 17, 47.606,  
346.843

 7, 47.606, 346.843

 0, 47.606, 346.843

57, 47.606,  
346.843

57, 47.606,  
346.843

53, 55.924,  
348.357

61, 38.396,  
345.562

50, 62.862,  
350.191

66, 28.724,  
344.448

47, 67.946,  
352.469

71, 18.900,  
343.459

45, 70.892,  
355.340

77, 9.137, 342.553

82, 0.432, 162.718


44, 72.020,  
358.861

88, 9.735, 161.100

44, 72.067,  
359.029

93, 18.736,  
160.402

96, 21.143,  
165.473

 96, 18.643,  
177.678

# Harmonies

# Complementary

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



57, 47.606, 346.843



75, 45.609, 156.722

# Rectangle

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



57, 47.606, 346.843



57, 47.606, 36.843



57, 47.606, 166.843



57, 47.606, 216.843

# Sweetspot

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



57, 47.603, 346.844



90, 17.338, 343.058



52, 59.899, 310.043



47, 11.852, 343.254



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



57, 47.603, 346.844



66, 66.414, 348.396



56, 43.409, 21.397



40, 5.438, 342.541



36, 61.905, 358.397



4, 20.290, 351.342



# Inverse Universe

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



57, 47.603, 346.844



66, 66.414, 348.396



76, 31.360, 192.097



40, 5.438, 342.541



36, 61.905, 358.397



4, 20.290, 351.342



# Previews

## White Background



This preview shows how the CIELCh color 57, 47.606, 346.843 looks on a white background.

## Color Contrast Check

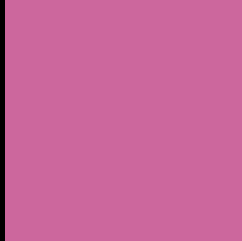
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 47.606, 346.843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

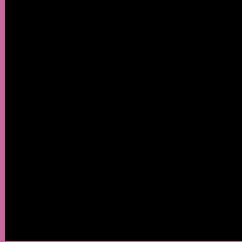
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 47.606, 346.843

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 47.606, 346.843.

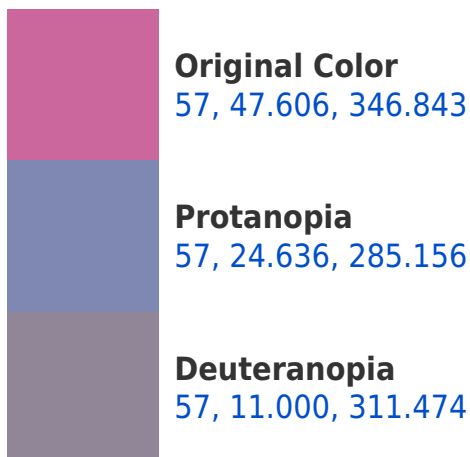


This preview shows how white text looks on a background with the CIELCh color 57, 47.606, 346.843.

# 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**  
57, 37.653, 17.381

# Trichromacy



**Original Color**  
57, 47.606, 346.843



**Protanomaly**  
56, 29.094, 314.914



**Deuteranomaly**  
57, 24.118, 335.220



**Tritanomaly**  
57, 39.648, 4.206

# Monochromacy



**Original Color**  
57, 47.606, 346.843



**Achromatopsia**  
58, 0.007, 296.813



**Achromatomaly**  
57, 18.093, 344.874

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 47.606, 346.843 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(204, 103, 157)` looks like.

```
.text, #text, p{  
    color:rgb(204, 103, 157)  
}
```

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(204, 103, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 103, 157) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 47.606, 346.843 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(204, 103, 157) }
```

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

```
.border{ border-color:rgb(204, 103, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 103, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 103, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 103, 157);  
box-shadow:4px 4px 4px 4px rgb(204, 103,  
157) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 47.606, 346.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 103, 157) }
```

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

```
.background{ background-color: rgb(204,  
103, 157) }
```

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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