

# Converting Colors

CIELCh(57, 35.764, 347.606)

Have a look what the booklet for  
CIELCh(57, 35.764, 347.606)  
contains.

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**Color**

**CIELCh(57, 35.987, 347.622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD7197
RGB	189, 113, 151
RGB Percent	74%, 44%, 59%
CMY	0.2582, 0.5563, 0.4072
CMYK	0.00, 0.40, 0.20, 0.26
HSL	330°, 37%, 59%
HSV	330°, 40%, 74%
XYZ	32.5468, 24.9227, 32.4383
YIQ	140.0560, 33.0980, 27.9300

# Conversions

## Conversions Part 2

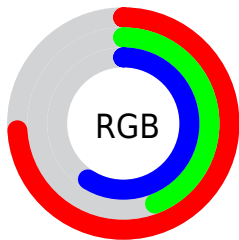
Format	Color
<b>R<sub>YB</sub></b>	189, 113, 151
Decimal	12415383
CIE <sub>Lab</sub>	57.00, 35.15, -7.71
CIE <sub>LCh</sub>	57, 35.987, 347.622
Yxy	24.9227, 0.3620, 0.2772
Android (android.graphics.Color)	4290605463 (0xFFBD7197)
YUV	140.0560, 5.3954, 42.9239
Hunter-Lab	49.9226, 29.0078, -3.5791

# Details

The CIELCh color  $57, 35.987, 347.622$  is a light color, and the websafe version is hex `CC6699`. A complement of this color would be  $71, 34.325, 159.716$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 36.127, 347.872$ , and  $37, 35.789, 347.901$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 44.512, 348.998$ , and if you desaturate by 10%, it is  $62, 27.042, 346.441$ .

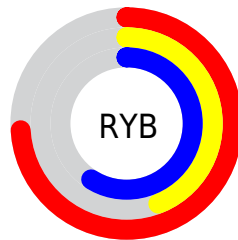
# Distribution



Red (74%)

Green (44%)

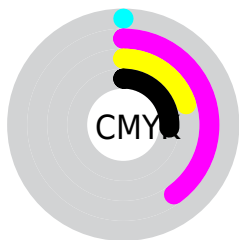
Blue (59%)



Red (74%)

Yellow (44%)

Blue (59%)

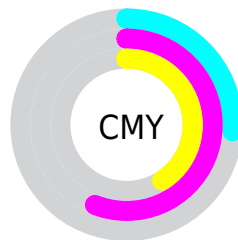


Cyan (0%)

Magenta (40%)

Yellow (20%)

Black (26%)



Cyan (26%)

Magenta (56%)

Yellow (41%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 35.987, 347.622 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, 35.987, 347.622 by changing the saturation by 10% instead.




 57, 35.987,  
347.622


 57, 35.987,  
347.622


 100, 35.987,  
347.622


 47, 35.987,  
347.622


 77, 35.987,  
347.622

 37, 35.987,  
347.622

 87, 35.987,  
347.622

 27, 35.987,  
347.622

 97, 35.987,  
347.622

 17, 35.987,  
347.622

 7, 35.987, 347.622

 0, 35.987, 347.622

57, 35.987,  
347.622

57, 35.987,  
347.622

53, 44.512,  
348.998

62, 27.042,  
346.441

49, 52.238,  
350.637

66, 17.973,  
345.401

46, 58.707,  
352.643

71, 8.974, 344.459

43, 63.493,  
355.152

77, 0.164, 341.299

82, 8.389, 162.960

42, 66.353,  
358.323

87, 16.655,  
162.243

41, 67.694, 2.085

92, 24.627,  
161.594

95, 26.959,  
165.268

■ 95, 24.308,  
174.546

# Harmonies

# Complementary

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



57, 35.987, 347.622



71, 34.325, 159.716

# Rectangle

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



57, 35.987, 347.622



57, 35.987, 37.622



57, 35.987, 167.622



57, 35.987, 217.622

# Sweetspot

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



57, 35.984, 347.623



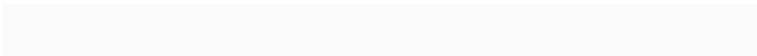
89, 13.071, 344.643



54, 45.628, 311.066



46, 8.679, 344.763



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



57, 35.984, 347.623



68, 52.602, 348.789



56, 32.655, 23.291



37, 4.980, 344.383



34, 59.346, 1.449



3, 13.948, 351.613



# Inverse Universe

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



57, 35.984, 347.623



68, 52.602, 348.789



72, 24.619, 197.520



37, 4.980, 344.383



34, 59.346, 1.449



3, 13.948, 351.613



# Previews

## White Background



This preview shows how the CIELCh color 57, 35.987, 347.622 looks on a white background.

## Color Contrast Check

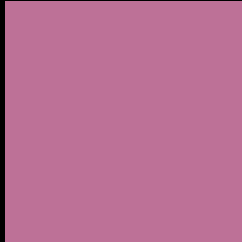
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 35.987, 347.622 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

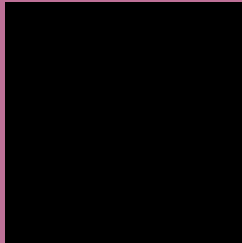
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 35.987, 347.622

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 35.987, 347.622.

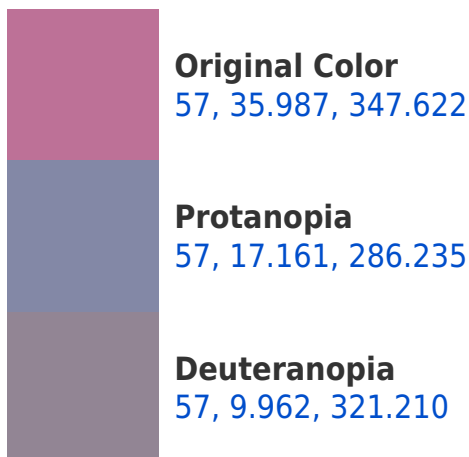


This preview shows how white text looks on a background with the CIELCh color 57, 35.987, 347.622.

# 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, 28.967, 12.908

# Trichromacy



**Original Color**  
57, 35.987, 347.622

**Protanomaly**  
57, 20.952, 317.444

**Deuteranomaly**  
57, 19.150, 338.507

**Tritanomaly**  
57, 30.961, 2.086

# Monochromacy



**Original Color**  
57, 35.987, 347.622

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
57, 13.596, 345.135

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 35.987, 347.622 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(189, 113, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 113, 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(189, 113, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 113, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 35.987, 347.622 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(189, 113, 151) }
```

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

```
.border{ border-color:rgb(189, 113, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 113, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 113, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 113, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 113,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 35.987, 347.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 113, 151) }
```

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

```
.background{ background-color: rgb(189,  
113, 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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