

# Converting Colors

CIELCh(57, 36.224, 346.828)

Have a look what the booklet for  
CIELCh(57, 36.224, 346.828)  
contains.

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# Color

**CIELCh(57, 36.256, 346.852)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD7198
RGB	189, 113, 152
RGB Percent	74%, 44%, 60%
CMY	0.2585, 0.5566, 0.4037
CMYK	0.00, 0.40, 0.20, 0.26
HSL	329°, 37%, 59%
HSV	329°, 40%, 74%
XYZ	32.5902, 24.9227, 32.8280
YIQ	140.1700, 32.7770, 28.2410

# Conversions

## Conversions Part 2

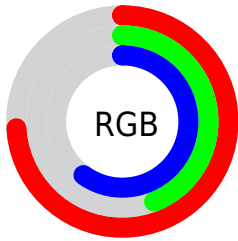
Format	Color
<a href="#">RYB</a>	<a href="#">189, 113, 152</a>
Decimal	<a href="#">12415384</a>
CIELab	<a href="#">57.00, 35.31, -8.25</a>
CIELCh	<a href="#">57, 36.256, 346.852</a>
Yxy	<a href="#">24.9227, 0.3607, 0.2759</a>
Android (android.graphics.Color)	<a href="#">4290605464 (0xFFBD7198)</a>
YUV	<a href="#">140.1700, 5.8322, 42.8239</a>
Hunter-Lab	<a href="#">49.9226, 29.1626, -4.0420</a>

# Details

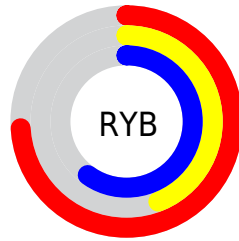
The CIELCh color  $57, 36.256, 346.852$  is a light color, and the websafe version is hex `CC6699`. A complement of this color would be  $71, 34.698, 159.039$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 36.385, 347.149$ , and  $37, 36.062, 347.057$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 44.816, 348.193$ , and if you desaturate by 10%, it is  $62, 27.261, 345.697$ .

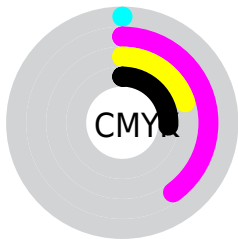
# Distribution



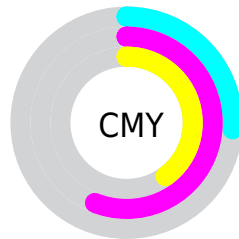
- Red (74%)
- Green (44%)
- Blue (60%)



- Red (74%)
- Yellow (44%)
- Blue (60%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (26%)




- Cyan (26%)
- Magenta (56%)
- Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 36.256, 346.852 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, 36.256, 346.852 by changing the saturation by 10% instead.





 57, 36.256,  
346.852


 57, 36.256,  
346.852


 100, 36.256,  
346.852


 47, 36.256,  
346.852


 77, 36.256,  
346.852

 37, 36.256,  
346.852

 87, 36.256,  
346.852

 27, 36.256,  
346.852

 97, 36.256,  
346.852

 17, 36.256,  
346.852

 7, 36.256, 346.852

 0, 36.256, 346.852

57, 36.256,  
346.852

57, 36.256,  
346.852

53, 44.816,  
348.193

62, 27.261,  
345.697

49, 52.559,  
349.786

66, 18.132,  
344.675

46, 59.025,  
351.728

71, 9.063, 343.747

43, 63.781,  
354.151

77, 0.179, 340.820

82, 8.453, 162.265


42, 66.582,  
357.209

87, 16.800,  
161.554

41, 67.829, 0.833

92, 24.855,  
160.910

95, 27.333,  
164.326

 95, 24.677,  
173.113

# Harmonies

# Complementary

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



57, 36.256, 346.852



71, 34.698, 159.039

# Rectangle

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



57, 36.256, 346.852



57, 36.256, 36.852



57, 36.256, 166.852



57, 36.256, 216.852

# Sweetspot

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



57, 36.253, 346.853



89, 13.186, 343.928



54, 45.538, 310.533



46, 8.755, 344.046



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, 36.253, 346.853



68, 52.971, 347.988



56, 32.525, 22.063



37, 5.024, 343.671



34, 59.499, 0.221



3, 14.053, 350.836



# Inverse Universe

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



57, 36.253, 346.853



68, 52.971, 347.988



72, 24.737, 195.891



37, 5.024, 343.671



34, 59.499, 0.221



3, 14.053, 350.836



# Previews

## White Background



This preview shows how the CIELCh color 57, 36.256, 346.852 looks on a white background.

## Color Contrast Check

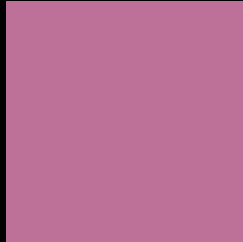
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.256, 346.852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

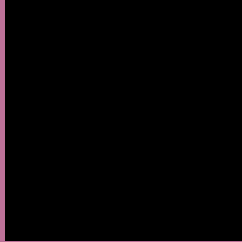
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 36.256, 346.852

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 36.256, 346.852.



This preview shows how white text looks on a background with the CIELCh color 57, 36.256, 346.852.

# 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, 28.554, 12.704

# Trichromacy



**Original Color**  
57, 36.256, 346.852

**Protanomaly**  
57, 21.314, 315.853

**Deuteranomaly**  
57, 19.249, 336.385

**Tritanomaly**  
57, 30.585, 1.746

# Monochromacy



**Original Color**  
57, 36.256, 346.852

**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, 36.256, 346.852 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(189, 113, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 113, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 36.256, 346.852 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, 152) }
```

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

```
.border{ border-color:rgb(189, 113, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 113, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 113, 152);  
box-shadow:4px 4px 4px 4px rgb(189, 113,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 36.256, 346.852 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, 152) }
```

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

```
.background{ background-color: rgb(189,  
113, 152) }
```

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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