

# Converting Colors

CIELCh(50, 57.557, 341.161)

Have a look what the booklet for  
CIELCh(50, 57.557, 341.161)  
contains.

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**Color**

**CIELCh(50, 57.557, 341.161)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF4C98
RGB	191, 76, 152
RGB Percent	75%, 30%, 60%
CMY	0.2522, 0.7031, 0.4051
CMYK	0.00, 0.60, 0.20, 0.25
HSL	320°, 47%, 52%
HSV	320°, 60%, 75%
XYZ	29.6115, 18.4187, 31.5737
YIQ	119.0490, 44.1440, 48.0160

# Conversions

## Conversions Part 2

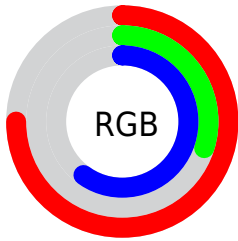
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 76, 152
Decimal	12536984
CIE <sub>Lab</sub>	50.00, 54.47, -18.59
CIE <sub>LCh</sub>	50, 57.557, 341.161
Yxy	18.4187, 0.3720, 0.2314
Android (android.graphics.Color)	4290727064 (0xFFBF4C98)
YUV	119.0490, 16.2448, 63.1010
Hunter-Lab	42.9170, 48.0552, -13.5774

# Details

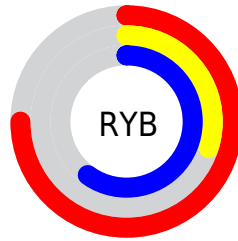
The CIELCh color **50, 57.557, 341.161** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **69, 57.256, 149.651**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 57.253, 341.409**, and **30, 57.471, 341.008** is the 20% darker color. If you saturate the color by 10%, you get **47, 64.301, 342.435**, and if you desaturate by 10%, it is **54, 49.326, 340.059**.

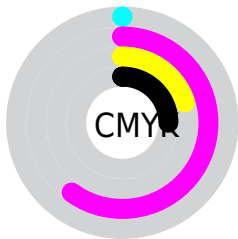
# Distribution



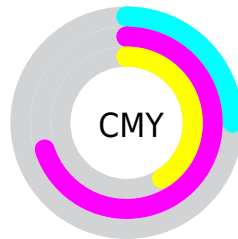
- Red (75%)
- Green (30%)
- Blue (60%)



- Red (75%)
- Yellow (30%)
- Blue (60%)



- Cyan (0%)
- Magenta (60%)
- Yellow (20%)
- Black (25%)




- Cyan (25%)
- Magenta (70%)
- Yellow (41%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 57.557, 341.161 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 50, 57.557, 341.161 by changing the saturation by 10% instead.





 50, 57.557,  
341.161


 50, 57.557,  
341.161


 100, 57.557,  
341.161


 40, 57.557,  
341.161


 70, 57.557,  
341.161

 30, 57.557,  
341.161


 80, 57.557,  
341.161


 20, 57.557,  
341.161

 90, 57.557,  
341.161

 10, 57.557,  
341.161

 0, 57.557, 341.161

 50, 57.557,  
341.161

 50, 57.557,  
341.161

47, 64.301,  
342.435

54, 49.326,  
340.059

45, 69.106,  
343.948

58, 40.103,  
339.080

43, 71.688,  
345.790

62, 30.309,  
338.191

42, 72.424,  
347.915

67, 20.272,  
337.371

72, 10.219,  
336.599

77, 0.301, 334.803

82, 9.393, 155.303

87, 18.815,  
154.667

93, 27.946,  
154.080



# Harmonies

# Complementary

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



50, 57.557, 341.161



69, 57.256, 149.651

# Rectangle

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



50, 57.557, 341.161



50, 57.557, 31.161



50, 57.557, 161.161



50, 57.557, 211.161

# Sweetspot

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



50, 57.554, 341.162



86, 22.183, 337.213



42, 69.173, 307.404



45, 15.562, 337.445



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



50, 57.554, 341.162



60, 80.112, 342.838



48, 49.533, 15.266



37, 5.571, 336.526



35, 63.218, 347.543



3, 15.570, 342.065



# Inverse Universe

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



50, 57.554, 341.162



60, 80.112, 342.838



71, 36.981, 179.985



37, 5.571, 336.526



35, 63.218, 347.543



3, 15.570, 342.065



# Previews

## White Background



This preview shows how the CIELCh color 50, 57.557, 341.161 looks on a white background.

## Color Contrast Check

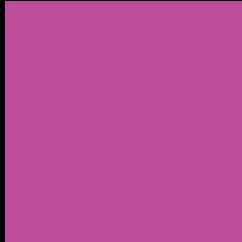
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 57.557, 341.161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

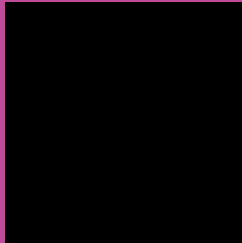
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 57.557, 341.161

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 57.557, 341.161.

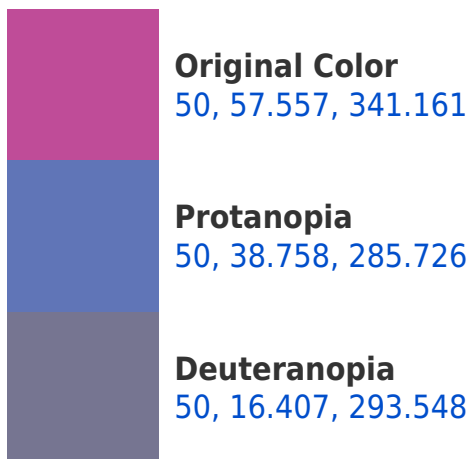


This preview shows how white text looks on a background with the CIELCh color 50, 57.557, 341.161.

# 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

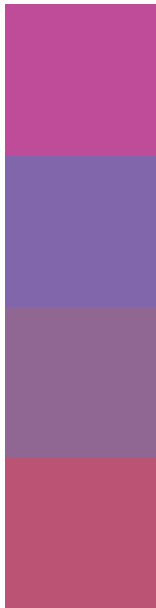






**Tritanopia**  
50, 41.965, 20.153

# Trichromacy



**Original Color**  
50, 57.557, 341.161

**Protanomaly**  
49, 42.321, 307.879

**Deuteranomaly**  
49, 30.685, 324.129

**Tritanomaly**  
50, 44.816, 2.900

# Monochromacy



**Original Color**  
50, 57.557, 341.161

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
49, 23.267, 337.773

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 57.557, 341.161 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(191, 76, 152)` looks like.

```
.text, #text, p{  
    color:rgb(191, 76, 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(191, 76, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 76, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 57.557, 341.161 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(191, 76, 152) }
```

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

```
.border{ border-color:rgb(191, 76, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 76, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 76, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 76, 152);  
box-shadow:4px 4px 4px 4px rgb(191, 76,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 57.557, 341.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 76, 152) }
```

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

```
.background{ background-color: rgb(191, 76,  
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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