

# Converting Colors

CIELCh(50, 60.453, 350.944)

Have a look what the booklet for  
CIELCh(50, 60.453, 350.944)  
contains.

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**Color**

**CIELCh(50, 60.486, 351.018)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB4389
RGB	203, 67, 137
RGB Percent	80%, 26%, 54%
CMY	0.2053, 0.7386, 0.4639
CMYK	0.00, 0.67, 0.33, 0.21
HSL	329°, 57%, 53%
HSV	329°, 67%, 79%
XYZ	31.0144, 18.4187, 25.4734
YIQ	115.6440, 58.5860, 50.6020

# Conversions

## Conversions Part 2

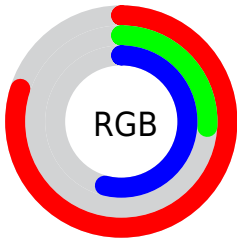
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 67, 137
Decimal	13321097
CIE <sub>Lab</sub>	50.00, 59.74, -9.44
CIE <sub>LCh</sub>	50, 60.486, 351.018
Yxy	18.4187, 0.4140, 0.2459
Android (android.graphics.Color)	4291511177 (0xFFCB4389)
YUV	115.6440, 10.5285, 76.6112
Hunter-Lab	42.9170, 53.8903, -5.1498

# Details

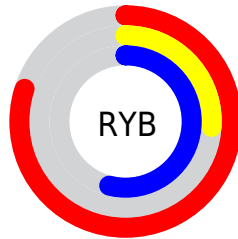
The CIELCh color **50, 60.486, 351.018** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **73, 57.974, 154.971**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 57.988, 349.079**, and **31, 57.584, 352.245** is the 20% darker color. If you saturate the color by 10%, you get **47, 66.049, 353.294**, and if you desaturate by 10%, it is **54, 53.212, 349.186**.

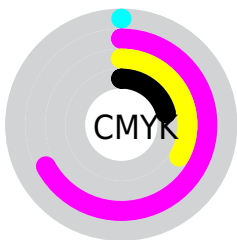
# Distribution



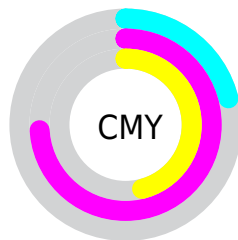
- Red (80%)
- Green (26%)
- Blue (54%)



- Red (80%)
- Yellow (26%)
- Blue (54%)



- Cyan (0%)
- Magenta (67%)
- Yellow (33%)
- Black (21%)




- Cyan (21%)
- Magenta (74%)
- Yellow (46%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 60.486, 351.018 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, 60.486, 351.018 by changing the saturation by 10% instead.





 50, 60.486,  
351.018


 50, 60.486,  
351.018


 100, 60.486,  
351.018


 40, 60.486,  
351.018


 70, 60.486,  
351.018

 30, 60.486,  
351.018


 80, 60.486,  
351.018


 20, 60.486,  
351.018

 90, 60.486,  
351.018

 10, 60.486,  
351.018

 0, 60.486, 351.018

 50, 60.486,  
351.018

 50, 60.486,  
351.018

47, 66.049,  
353.294

54, 53.212,  
349.186

45, 69.573,  
356.162

58, 44.721,  
347.673

44, 71.108,  
359.757

62, 35.485,  
346.391

44, 71.428, 0.868

67, 25.892,  
345.277

72, 16.224,  
344.286

78, 6.667, 343.369

83, 2.669, 162.782

89, 11.722,  
161.933

94, 20.469,  
161.245



# Harmonies

# Complementary

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



50, 60.486, 351.018



73, 57.974, 154.971

# Rectangle

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



50, 60.486, 351.018



50, 60.486, 41.018



50, 60.486, 171.018



50, 60.486, 221.018

# Sweetspot

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



50, 60.483, 351.019



87, 22.923, 344.588



43, 80.534, 311.887



45, 15.672, 344.869



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



50, 60.483, 351.019



58, 80.938, 354.639



48, 61.170, 28.387



40, 5.365, 343.578



35, 61.606, 0.216



4, 20.074, 352.590



# Inverse Universe

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



50, 60.483, 351.019



58, 80.938, 354.639



75, 37.443, 194.799



40, 5.365, 343.578



35, 61.606, 0.216



4, 20.074, 352.590



# Previews

## White Background



This preview shows how the CIELCh color 50, 60.486, 351.018 looks on a white background.

## Color Contrast Check

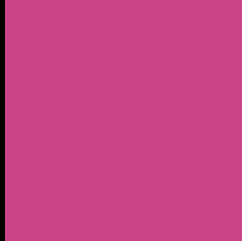
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.486, 351.018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

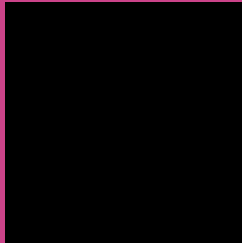
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 60.486, 351.018

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 60.486, 351.018.

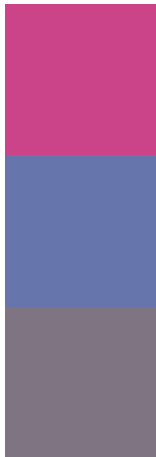


This preview shows how white text looks on a background with the CIELCh color 50, 60.486, 351.018.

# 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**  
50, 60.486, 351.018

**Protanopia**  
50, 31.738, 284.940

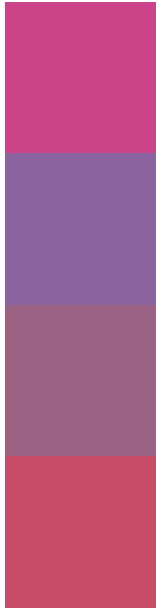
**Deuteranopia**  
50, 9.307, 318.819





**Tritanopia**  
50, 52.569, 24.451

# Trichromacy



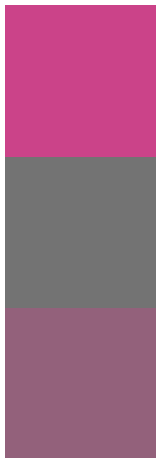
**Original Color**  
50, 60.486, 351.018

**Protanomaly**  
48, 38.061, 316.260

**Deuteranomaly**  
49, 29.728, 341.859

**Tritanomaly**  
50, 52.993, 10.902

# Monochromacy



**Original Color**  
50, 60.486, 351.018

**Achromatopsia**  
48, 0.006, 296.813

**Achromatomaly**  
47, 25.125, 345.656

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 60.486, 351.018 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(203, 67, 137)` looks like.

```
.text, #text, p{  
    color:rgb(203, 67, 137)  
}
```

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(203, 67, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 67, 137) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 60.486, 351.018 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(203, 67, 137) }
```

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

```
.border{ border-color:rgb(203, 67, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 67, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 67, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 67, 137);  
box-shadow:4px 4px 4px 4px rgb(203, 67,  
137) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 60.486, 351.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 67, 137) }
```

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

```
.background{ background-color: rgb(203, 67,  
137) }
```

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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