

# Converting Colors

CIELCh(56, 64.847, 333.818)

Have a look what the booklet for  
CIELCh(56, 64.847, 333.818)  
contains.

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**Color**

**CIELCh(56, 64.847, 333.818)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF59B9
RGB	207, 89, 185
RGB Percent	81%, 35%, 73%
CMY	0.1882, 0.6510, 0.2745
CMYK	0.00, 0.57, 0.11, 0.19
HSL	311°, 55%, 58%
HSV	311°, 57%, 81%
XYZ	38.0607, 23.9124, 48.5080
YIQ	135.2260, 39.5120, 54.8720

# Conversions

## Conversions Part 2

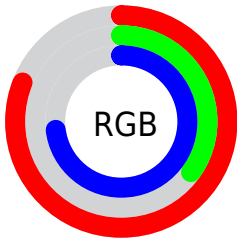
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 89, 185
Decimal	13588921
CIE <sub>Lab</sub>	56.00, 58.19, -28.61
CIE <sub>LCh</sub>	56, 64.847, 333.818
Yxy	23.9124, 0.3445, 0.2164
Android (android.graphics.Color)	4291779001 (0xFFCF59B9)
YUV	135.2260, 24.5386, 62.9458
Hunter-Lab	48.9003, 53.3566, -24.5841

# Details

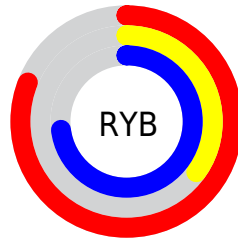
The CIELCh color **56, 64.847, 333.818** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **75, 65.464, 144.709**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 62.953, 330.718**, and **36, 65.125, 333.744** is the 20% darker color. If you saturate the color by 10%, you get **53, 73.305, 334.552**, and if you desaturate by 10%, it is **60, 54.818, 333.112**.

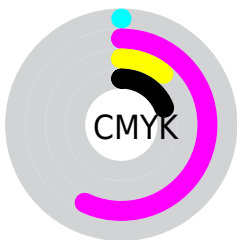
# Distribution



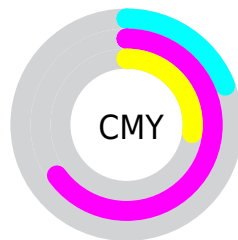
- Red (81%)
- Green (35%)
- Blue (73%)



- Red (81%)
- Yellow (35%)
- Blue (73%)



- Cyan (0%)
- Magenta (57%)
- Yellow (11%)
- Black (19%)




- Cyan (19%)
- Magenta (65%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 64.847, 333.818 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 56, 64.847, 333.818 by changing the saturation by 10% instead.




 56, 64.847,  
333.818

 56, 64.847,  
333.818

 100, 64.847,  
333.818


 46, 64.847,  
333.818


 76, 64.847,  
333.818

 36, 64.847,  
333.818

 86, 64.847,  
333.818

 26, 64.847,  
333.818

 96, 64.847,  
333.818

 16, 64.847,  
333.818

 6, 64.847, 333.818

 0, 64.847, 333.818

56, 64.847,  
333.818

56, 64.847,  
333.818

53, 73.305,  
334.552

60, 54.818,  
333.112

50, 79.686,  
335.330

64, 43.748,  
332.425

48, 83.625,  
336.178

69, 32.085,  
331.754

47, 85.113,  
337.129

74, 20.174,  
331.099

47, 85.333,  
337.426

79, 8.262, 330.449

85, 3.491, 149.972

90, 14.987,  
149.324

96, 26.170,  
148.764

■ 96, 24.891,  
151.544

# Harmonies

# Complementary

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



56, 64.847, 333.818



75, 65.464, 144.709

# Rectangle

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



56, 64.847, 333.818



56, 64.847, 23.818



56, 64.847, 153.818



56, 64.847, 203.818

# Sweetspot

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



56, 64.844, 333.818



89, 23.893, 331.113



46, 69.804, 303.193



46, 15.992, 331.245



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



56, 64.844, 333.818



64, 87.342, 334.690



54, 50.320, 2.985



41, 6.760, 330.608



38, 73.303, 337.266



5, 26.940, 335.018



# Inverse Universe

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



56, 64.844, 333.818



64, 87.342, 334.690



76, 43.041, 168.393



41, 6.760, 330.608



38, 73.303, 337.266



5, 26.940, 335.018



# Previews

## White Background



This preview shows how the CIELCh color 56, 64.847, 333.818 looks on a white background.

## Color Contrast Check

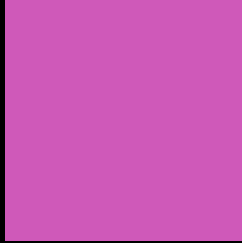
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 64.847, 333.818 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

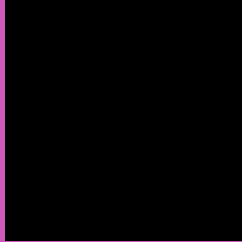
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 56, 64.847, 333.818

## Background



This preview shows how black text looks on a background with the CIELCh color 56, 64.847, 333.818.

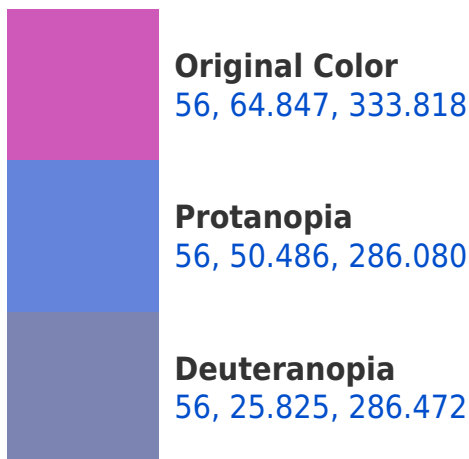


This preview shows how white text looks on a background with the CIELCh color 56, 64.847, 333.818.

# 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**  
56, 39.195, 18.758

# Trichromacy



**Original Color**  
56, 64.847, 333.818



**Protanomaly**  
55, 52.888, 303.597



**Deuteranomaly**  
55, 39.015, 313.335



**Tritanomaly**  
56, 44.977, 356.150

# Monochromacy



**Original Color**  
56, 64.847, 333.818



**Achromatopsia**  
56, 0.007, 296.813



**Achromatomaly**  
55, 25.872, 331.689

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 64.847, 333.818 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(207, 89, 185)` looks like.

```
.text, #text, p{  
    color:rgb(207, 89, 185)  
}
```

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(207, 89, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 89, 185) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 64.847, 333.818 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(207, 89, 185) }
```

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

```
.border{ border-color:rgb(207, 89, 185) }
```

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

Here you see how a box with a 4 pixel rgb(207, 89, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 89, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 89, 185);  
box-shadow:4px 4px 4px 4px rgb(207, 89,  
185) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 64.847, 333.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 89, 185) }
```

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

```
.background{ background-color: rgb(207, 89,  
185) }
```

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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