

# Converting Colors

CIELCh(57, 62.633, 327.037)

Have a look what the booklet for  
CIELCh(57, 62.633, 327.037)  
contains.

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**Color**

**CIELCh(57, 62.813, 327.018)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C563C5
RGB	197, 99, 197
RGB Percent	77%, 39%, 77%
CMY	0.2264, 0.6107, 0.2264
CMYK	0.00, 0.50, 0.00, 0.23
HSL	300°, 46%, 58%
HSV	300°, 50%, 77%
XYZ	37.6922, 24.9227, 55.8066
YIQ	139.4740, 26.9500, 51.2540

# Conversions

## Conversions Part 2

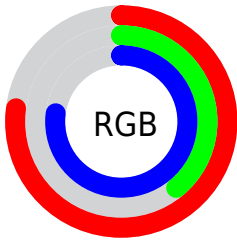
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 99, 197
Decimal	12936133
CIE <sub>Lab</sub>	57.00, 52.69, -34.19
CIE <sub>LCh</sub>	57, 62.813, 327.018
Yxy	24.9227, 0.3183, 0.2105
Android (android.graphics.Color)	4291126213 (0xFFC563C5)
YUV	139.4740, 28.3603, 50.4503
Hunter-Lab	49.9226, 47.4053, -31.3322

# Details

The CIELCh color **57, 62.813, 327.018** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **72, 63.137, 140.414**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 62.876, 326.871**, and **37, 62.857, 327.017** is the 20% darker color. If you saturate the color by 10%, you get **54, 73.347, 327.425**, and if you desaturate by 10%, it is **61, 51.035, 326.552**.

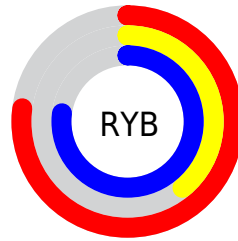
# Distribution



Red (77%)

Green (39%)

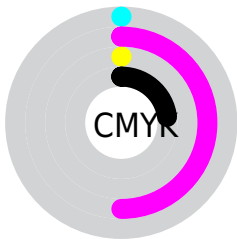
Blue (77%)



Red (77%)

Yellow (39%)

Blue (77%)

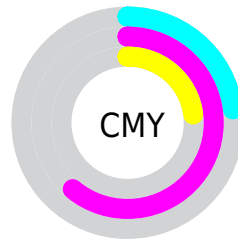


Cyan (0%)

Magenta (50%)

Yellow (0%)

Black (23%)



Cyan (23%)

Magenta (61%)


Yellow (23%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 62.813, 327.018 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 57, 62.813, 327.018 by changing the saturation by 10% instead.





 57, 62.813,  
327.018


 57, 62.813,  
327.018


 100, 62.813,  
327.018


 47, 62.813,  
327.018


 77, 62.813,  
327.018


 37, 62.813,  
327.018


 87, 62.813,  
327.018

 27, 62.813,  
327.018

 97, 62.813,  
327.018

 17, 62.813,  
327.018

 7, 62.813, 327.018

 0, 62.813, 327.018

57, 62.813,  
327.018

57, 62.813,  
327.018

54, 73.347,  
327.425

61, 51.035,  
326.552

51, 82.147,  
327.757

65, 38.488,  
326.043

49, 88.781,  
328.002

70, 25.555,  
325.506

48, 93.018,  
328.156

75, 12.526,  
324.952

47, 95.195,  
328.234

80, 0.395, 145.075

47, 95.255,  
328.237

85, 13.076,  
143.915

90, 25.435,  
143.389

95, 36.184,  
142.943

■ 95, 36.184,  
142.944

# Harmonies

# Complementary

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



57, 62.813, 327.018



72, 63.137, 140.414

# Rectangle

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



57, 62.813, 327.018



57, 62.813, 17.018



57, 62.813, 147.018



57, 62.813, 197.018

# Sweetspot

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



57, 62.811, 327.018



91, 23.955, 325.261



47, 57.878, 297.369



47, 16.355, 325.379



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



57, 62.811, 327.018



68, 90.420, 327.470



55, 45.629, 348.940



39, 7.382, 324.935



39, 82.753, 328.237



4, 26.740, 327.029



# Inverse Universe

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



57, 62.811, 327.018



68, 90.420, 327.470



73, 43.239, 158.453



39, 7.382, 324.935



39, 82.753, 328.237



4, 26.740, 327.029



# Previews

## White Background



This preview shows how the CIELCh color 57, 62.813, 327.018 looks on a white background.

## Color Contrast Check

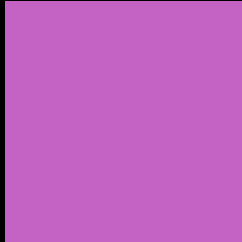
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 57, 62.813, 327.018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

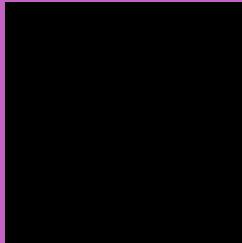
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 62.813, 327.018

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 62.813, 327.018.

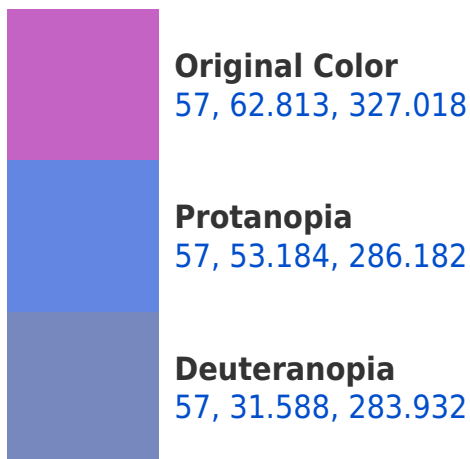


This preview shows how white text looks on a background with the CIELCh color 57, 62.813, 327.018.

# 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







**Tritanopia**  
57, 29.841, 14.411

# Trichromacy



**Original Color**  
57, 62.813, 327.018



**Protanomaly**  
56, 54.593, 300.471



**Deuteranomaly**  
56, 40.980, 305.739



**Tritanomaly**  
57, 37.773, 347.841

# Monochromacy



**Original Color**  
57, 62.813, 327.018



**Achromatopsia**  
58, 0.007, 296.813



**Achromatomaly**  
57, 24.606, 325.631

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 62.813, 327.018 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(197, 99, 197)` looks like.

```
.text, #text, p{  
    color:rgb(197, 99, 197)  
}
```

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(197, 99, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 99, 197) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 62.813, 327.018 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(197, 99, 197) }
```

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

```
.border{ border-color:rgb(197, 99, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 99, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 99, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 99, 197);  
box-shadow:4px 4px 4px 4px rgb(197, 99,  
197) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 62.813, 327.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 99, 197) }
```

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

```
.background{ background-color: rgb(197, 99,  
197) }
```

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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