

# Converting Colors

CIELCh(57, 20.520, 327.782)

Have a look what the booklet for  
CIELCh(57, 20.520, 327.782)  
contains.

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# Color

**CIELCh(57, 20.564, 328.212)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F7F9C
RGB	159, 127, 156
RGB Percent	62%, 50%, 61%
CMY	0.3767, 0.5022, 0.3885
CMYK	0.00, 0.20, 0.02, 0.38
HSL	306°, 14%, 56%
HSV	306°, 20%, 62%
XYZ	27.8593, 24.9227, 34.7637
YIQ	139.8740, 9.7630, 15.8030

# Conversions

## Conversions Part 2

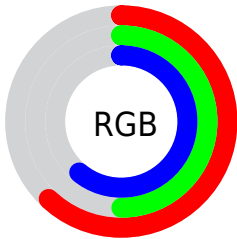
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 127, 156
Decimal	10452892
CIE <sub>Lab</sub>	57.00, 17.48, -10.83
CIE <sub>LCh</sub>	57, 20.564, 328.212
Yxy	24.9227, 0.3182, 0.2847
Android (android.graphics.Color)	4288642972 (0xFF9F7F9C)
YUV	139.8740, 7.9501, 16.7735
Hunter-Lab	49.9226, 12.2475, -6.3408

# Details

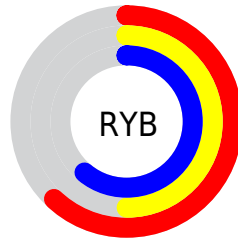
The CIELCh color  $57, 20.564, 328.212$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $62, 20.530, 145.785$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 20.732, 327.818$ , and  $37, 20.363, 327.797$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 30.751, 328.790$ , and if you desaturate by 10%, it is  $61, 10.307, 327.630$ .

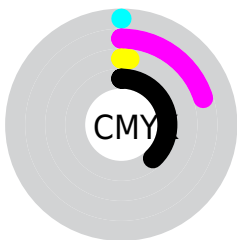
# Distribution



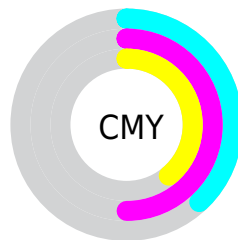
- Red (62%)
- Green (50%)
- Blue (61%)



- Red (62%)
- Yellow (50%)
- Blue (61%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (38%)




- Cyan (38%)
- Magenta (50%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 20.564, 328.212 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, 20.564, 328.212 by changing the saturation by 10% instead.





 57, 20.564,  
328.212


 57, 20.564,  
328.212


 100, 20.564,  
328.212


 47, 20.564,  
328.212


 77, 20.564,  
328.212

 37, 20.564,  
328.212

 87, 20.564,  
328.212

 27, 20.564,  
328.212

 97, 20.564,  
328.212

 17, 20.564,  
328.212

 7, 20.564, 328.212

 0, 20.564, 328.212

57, 20.564,  
328.212

57, 20.564,  
328.212

53, 30.751,  
328.790

61, 10.307,  
327.630

49, 40.652,  
329.359

65, 0.140, 325.396

70, 9.841, 146.571

46, 49.963,  
329.913

74, 19.575,  
146.033

43, 58.312,  
330.444

79, 29.032,  
145.527

41, 65.291,  
330.946

83, 38.201,  
145.047

39, 70.524,  
331.418


88, 47.084,  
144.594

37, 73.785,  
331.869

92, 55.688,  
144.167

37, 75.470,

332.303

 92, 55.606,  
144.569

# Harmonies

# Complementary

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



57, 20.564, 328.212



62, 20.530, 145.785

# Rectangle

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



57, 20.564, 328.212



57, 20.564, 18.212



57, 20.564, 148.212



57, 20.564, 198.212

# Sweetspot

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



57, 20.562, 328.212



80, 7.538, 327.388



54, 18.499, 295.356



42, 5.042, 327.425



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



57, 20.562, 328.212



71, 30.357, 328.463



57, 14.786, 350.258



31, 5.725, 327.578



33, 69.830, 332.262



1, 7.346, 327.679



# Inverse Universe

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



57, 20.562, 328.212



71, 30.357, 328.463



63, 14.263, 166.598



31, 5.725, 327.578



33, 69.830, 332.262



1, 7.346, 327.679



# Previews

## White Background



This preview shows how the CIELCh color 57, 20.564, 328.212 looks on a white background.

## Color Contrast Check

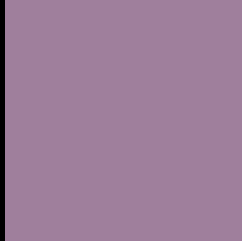
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.564, 328.212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

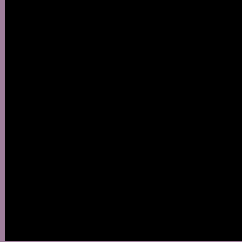
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 20.564, 328.212

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 20.564, 328.212.



This preview shows how white text looks on a background with the CIELCh color 57, 20.564, 328.212.

# 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

57, 20.564, 328.212

### Protanopia

57, 14.871, 286.351

### Deuteranopia

57, 13.071, 306.536





**Tritanopia**  
57, 12.139, 352.873

# Trichromacy



**Original Color**  
57, 20.564, 328.212

**Protanomaly**  
57, 15.837, 304.017

**Deuteranomaly**  
57, 15.207, 316.627

**Tritanomaly**  
57, 14.918, 340.689

# Monochromacy



**Original Color**  
57, 20.564, 328.212

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 7.839, 327.197

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 20.564, 328.212 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(159, 127, 156)` looks like.

```
.text, #text, p{  
    color:rgb(159, 127, 156)  
}
```

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(159, 127, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 127, 156) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 20.564, 328.212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

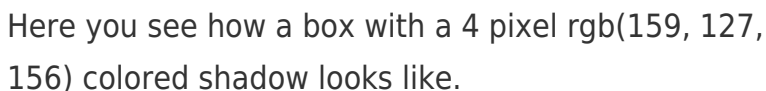
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 127, 156) }
```

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

```
.border{ border-color:rgb(159, 127, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 127, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 127, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 127, 156); box-shadow:4px 4px 4px 4px rgb(159, 127, 156) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 20.564, 328.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 127, 156) }
```

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

```
.background{ background-color: rgb(159,  
127, 156) }
```

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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