

# Converting Colors

CIELCh(57, 27.848, 312.694)

Have a look what the booklet for  
CIELCh(57, 27.848, 312.694)  
contains.

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**Color**

**CIELCh(57, 27.993, 312.490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	997FAD
RGB	153, 127, 173
RGB Percent	60%, 50%, 68%
CMY	0.4005, 0.5024, 0.3220
CMYK	0.12, 0.27, 0.00, 0.32
HSL	274°, 22%, 59%
HSV	274°, 27%, 68%
XYZ	28.2204, 24.9227, 42.7975
YIQ	140.0180, 0.7300, 19.8180

# Conversions

## Conversions Part 2

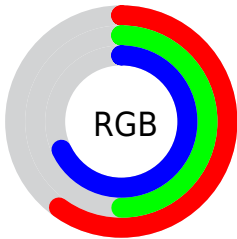
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 127, 173
Decimal	10059693
CIE Lab	57.00, 18.91, -20.64
CIE LCh	57, 27.993, 312.490
Yxy	24.9227, 0.2941, 0.2598
Android (android.graphics.Color)	4288249773 (0xFF997FAD)
YUV	140.0180, 16.2601, 11.3852
Hunter-Lab	49.9226, 13.5385, -15.8821

# Details

The CIELCh color  $57, 27.993, 312.490$  is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be  $68, 27.143, 130.131$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 28.184, 312.469$ , and  $37, 28.000, 311.881$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 38.858, 312.970$ , and if you desaturate by 10%, it is  $62, 17.271, 312.020$ .

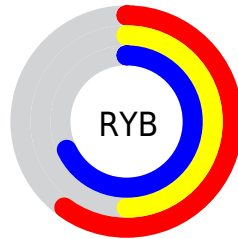
# Distribution



Red (60%)

Green (50%)

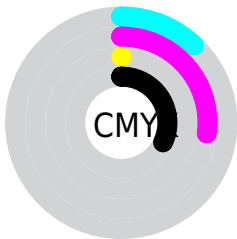
Blue (68%)



Red (60%)

Yellow (50%)

Blue (68%)

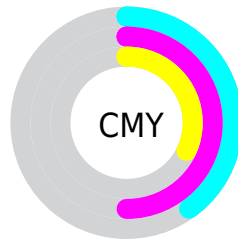


Cyan (12%)

Magenta (27%)

Yellow (0%)

Black (32%)



Cyan (40%)

Magenta (50%)

Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 27.993, 312.490 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, 27.993, 312.490 by changing the saturation by 10% instead.




 57, 27.993,  
312.490


 57, 27.993,  
312.490

 100, 27.993,  
312.490

 47, 27.993,  
312.490

 77, 27.993,  
312.490

 37, 27.993,  
312.490

 87, 27.993,  
312.490

 27, 27.993,  
312.490

 97, 27.993,  
312.490

 17, 27.993,  
312.490

 7, 27.993, 312.490

 0, 27.993, 312.490

57, 27.993,  
312.490

57, 27.993,  
312.490

52, 38.858,  
312.970

62, 17.271,  
312.020

47, 49.720,  
313.439

67, 6.784, 311.568

42, 60.324,  
313.859

72, 3.428, 131.216

38, 70.281,  
314.176

78, 13.346,  
130.818

34, 79.044,  
314.314

83, 22.967,  
130.481

31, 85.956,  
314.181

88, 32.295,  
130.183

29, 90.541,  
313.707

93, 41.343,  
129.920

28, 91.906,

95, 44.332,  
127.948

313.536

 96, 43.349,  
124.598

# Harmonies

# Complementary

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



57, 27.993, 312.490



68, 27.143, 130.131

# Rectangle

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



57, 27.993, 312.490



57, 27.993, 2.490



57, 27.993, 132.490



57, 27.993, 182.490

# Sweetspot

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



57, 27.991, 312.490



84, 10.180, 311.637



60, 15.736, 264.685



44, 7.239, 311.703



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



57, 27.991, 312.490



69, 41.865, 312.776



59, 29.986, 327.274



34, 5.850, 311.689



24, 82.887, 313.660



1, 11.972, 308.013



# Inverse Universe

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



58, 21.284, 349.871



71, 31.771, 350.580



66, 29.968, 144.008



34, 4.450, 348.078



32, 56.958, 7.414

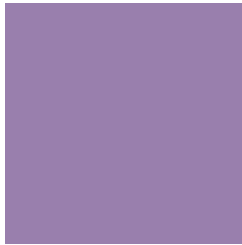


2, 8.826, 352.282



# Previews

## White Background



This preview shows how the CIELCh color 57, 27.993, 312.490 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 57, 27.993, 312.490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

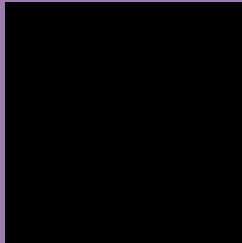
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 27.993, 312.490

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 27.993, 312.490.



This preview shows how white text looks on a background with the CIELCh color 57, 27.993, 312.490.

# 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, 27.993, 312.490

### Protanopia

57, 25.229, 285.446

### Deuteranopia

57, 21.134, 290.728





**Tritanopia**  
57, 8.209, 336.329

# Trichromacy



**Original Color**  
57, 27.993, 312.490

**Protanomaly**  
57, 25.776, 295.414

**Deuteranomaly**  
57, 23.735, 300.534

**Tritanomaly**  
57, 15.043, 320.234

# Monochromacy



**Original Color**  
57, 27.993, 312.490

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 10.456, 312.540

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 27.993, 312.490 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(153, 127, 173)` looks like.

```
.text, #text, p{  
    color:rgb(153, 127, 173)  
}
```

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(153, 127, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 127, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 27.993, 312.490 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(153, 127, 173) }
```

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

```
.border{ border-color:rgb(153, 127, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 127, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 127, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 127, 173);  
box-shadow:4px 4px 4px 4px rgb(153, 127,  
173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 27.993, 312.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 127, 173) }
```

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

```
.background{ background-color: rgb(153,  
127, 173) }
```

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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