

# Converting Colors

CIELCh(57, 29.342, 313.140)

Have a look what the booklet for  
CIELCh(57, 29.342, 313.140)  
contains.

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**Color**

**CIELCh(57, 29.307, 313.133)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A7EAE
RGB	154, 126, 174
RGB Percent	60%, 49%, 68%
CMY	0.3953, 0.5051, 0.3169
CMYK	0.11, 0.28, 0.00, 0.32
HSL	275°, 23%, 59%
HSV	275°, 28%, 68%
XYZ	28.5079, 24.9227, 43.4541
YIQ	139.8440, 1.2800, 20.8640

# Conversions

## Conversions Part 2

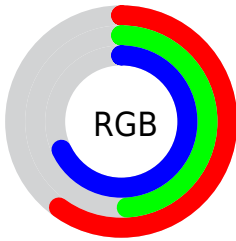
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	154, 126, 174
Decimal	10124974
CIE <sub>Lab</sub>	57.00, 20.04, -21.39
CIE <sub>LCh</sub>	57, 29.307, 313.133
Yxy	24.9227, 0.2942, 0.2572
Android (android.graphics.Color)	4288315054 (0xFF9A7EAE)
YUV	139.8440, 16.8389, 12.4148
Hunter-Lab	49.9226, 14.5664, -16.6619

# Details

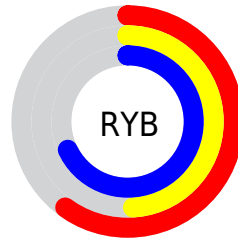
The CIELCh color  $57, 29.307, 313.133$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $68, 28.429, 130.699$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 29.435, 313.061$ , and  $37, 28.819, 313.001$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 40.260, 313.602$ , and if you desaturate by 10%, it is  $62, 18.472, 312.670$ .

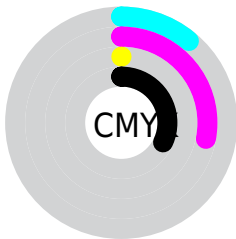
# Distribution



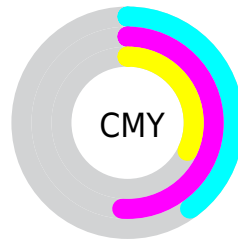
- Red (60%)
- Green (49%)
- Blue (68%)



- Red (60%)
- Yellow (49%)
- Blue (68%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)
- Black (32%)




- Cyan (40%)
- Magenta (51%)
- Yellow (32%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 29.307, 313.133 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, 29.307, 313.133 by changing the saturation by 10% instead.




 57, 29.307,  
313.133


 57, 29.307,  
313.133


 100, 29.307,  
313.133


 47, 29.307,  
313.133


 77, 29.307,  
313.133

 37, 29.307,  
313.133

 87, 29.307,  
313.133

 27, 29.307,  
313.133

 97, 29.307,  
313.133

 17, 29.307,  
313.133

 7, 29.307, 313.133

 0, 29.307, 313.133

57, 29.307,  
313.133

57, 29.307,  
313.133

52, 40.260,  
313.602

62, 18.472,  
312.670

47, 51.167,  
314.052

67, 7.857, 312.222

43, 61.755,  
314.446

72, 2.490, 131.884

38, 71.611,  
314.728

78, 12.545,  
131.469

35, 80.171,  
314.822

83, 22.302,  
131.128

32, 86.789,  
314.639

88, 31.765,  
130.825


30, 91.116,  
314.131

93, 40.943,  
130.557

29, 92.075,

95, 43.834,  
128.598

314.006

 96, 42.858,  
125.354

# Harmonies

# Complementary

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



57, 29.307, 313.133



68, 28.429, 130.699

# Rectangle

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



57, 29.307, 313.133



57, 29.307, 3.133



57, 29.307, 133.133



57, 29.307, 183.133

# Sweetspot

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



57, 29.305, 313.133



85, 10.317, 312.248



60, 17.020, 268.104



45, 7.405, 312.314



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



57, 29.305, 313.133



69, 43.741, 313.416



59, 30.550, 328.330



34, 5.874, 312.299



25, 82.574, 314.136



1, 12.016, 308.634



# Inverse Universe

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



58, 21.983, 351.111



71, 32.769, 351.855



67, 30.521, 144.868



34, 4.400, 349.170



32, 57.017, 9.154

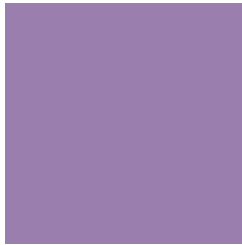


2, 8.749, 353.256



# Previews

## White Background



This preview shows how the CIELCh color 57, 29.307, 313.133 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, 29.307, 313.133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

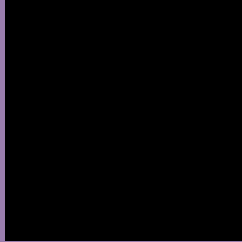
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 29.307, 313.133

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 29.307, 313.133.



This preview shows how white text looks on a background with the CIELCh color 57, 29.307, 313.133.

# 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, 29.307, 313.133

**Protanopia**  
57, 26.384, 285.249

**Deuteranopia**  
57, 22.270, 290.961





**Tritanopia**  
57, 9.173, 337.282

# Trichromacy



**Original Color**  
57, 29.307, 313.133

**Protanomaly**  
57, 26.910, 295.425

**Deuteranomaly**  
57, 24.298, 300.392

**Tritanomaly**  
57, 15.920, 321.714

# Monochromacy



**Original Color**  
57, 29.307, 313.133

**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, 29.307, 313.133 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(154, 126, 174)` looks like.

```
.text, #text, p{  
    color:rgb(154, 126, 174)  
}
```

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(154, 126, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 126, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 29.307, 313.133 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(154, 126, 174) }
```

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

```
.border{ border-color:rgb(154, 126, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 126, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 126, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 126, 174);  
box-shadow:4px 4px 4px 4px rgb(154, 126,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 29.307, 313.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 126, 174) }
```

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

```
.background{ background-color: rgb(154,  
126, 174) }
```

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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