

# Converting Colors

CIELCh(57, 26.517, 311.382)

Have a look what the booklet for  
CIELCh(57, 26.517, 311.382)  
contains.

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# Color

**CIELCh(57, 26.571, 311.032)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9780AC
RGB	151, 128, 172
RGB Percent	59%, 50%, 67%
CMY	0.4086, 0.4987, 0.3262
CMYK	0.12, 0.26, 0.00, 0.33
HSL	271°, 21%, 59%
HSV	271°, 26%, 67%
XYZ	27.8503, 24.9227, 42.2753
YIQ	139.8930, -0.4160, 18.5600

# Conversions

## Conversions Part 2

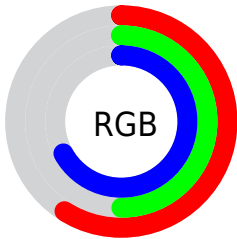
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 128, 172
Decimal	9928876
CIELab	57.00, 17.44, -20.04
CIELCh	57, 26.571, 311.032
Yxy	24.9227, 0.2930, 0.2622
Android (android.graphics.Color)	4288118956 (0xFF9780AC)
YUV	139.8930, 15.8288, 9.7408
Hunter-Lab	49.9226, 12.2150, -15.2620

# Details

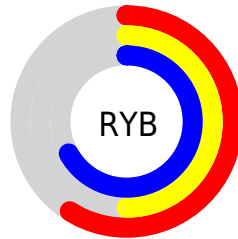
The CIELCh color  $57, 26.571, 311.032$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $68, 25.707, 128.708$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 26.321, 311.483$ , and  $37, 26.611, 311.070$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 37.338, 311.543$ , and if you desaturate by 10%, it is  $62, 15.989, 310.541$ .

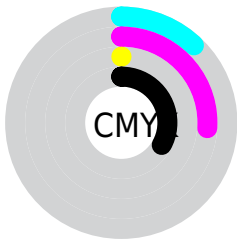
# Distribution



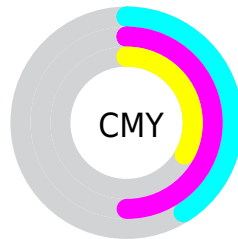
- Red (59%)
- Green (50%)
- Blue (67%)



- Red (59%)
- Yellow (50%)
- Blue (67%)



- Cyan (12%)
- Magenta (26%)
- Yellow (0%)
- Black (33%)




- Cyan (41%)
- Magenta (50%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 26.571, 311.032 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, 26.571, 311.032 by changing the saturation by 10% instead.





 57, 26.571,  
311.032


 57, 26.571,  
311.032


 100, 26.571,  
311.032


 47, 26.571,  
311.032


 77, 26.571,  
311.032

 37, 26.571,  
311.032

 87, 26.571,  
311.032

 27, 26.571,  
311.032

 97, 26.571,  
311.032

 17, 26.571,  
311.032

 7, 26.571, 311.032

 0, 26.571, 311.032

57, 26.571,  
311.032

57, 26.571,  
311.032

52, 37.338,  
311.543

62, 15.989,  
310.541

47, 48.167,  
312.054

67, 5.667, 310.075

42, 58.833,  
312.531

73, 4.366, 129.706

38, 68.978,  
312.919

78, 14.099,  
129.315

34, 78.070,  
313.141

83, 23.533,  
128.980

31, 85.433,  
313.096

88, 32.678,  
128.685

28, 90.450,  
312.691

93, 41.544,  
128.426

27, 92.314,

96, 44.367,  
126.218

312.486

 96, 43.385,  
122.484

# Harmonies

# Complementary

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



57, 26.571, 311.032



68, 25.707, 128.708

# Rectangle

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



57, 26.571, 311.032



57, 26.571, 1.032



57, 26.571, 131.032



57, 26.571, 181.032

# Sweetspot

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



57, 26.569, 311.032



84, 10.086, 310.193



61, 14.562, 261.034



44, 7.173, 310.260



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, 26.569, 311.032



69, 40.239, 311.334



59, 29.372, 326.268



34, 5.796, 310.246



23, 83.633, 312.607



1, 11.877, 306.595



# Inverse Universe

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



58, 20.875, 347.224



72, 31.502, 347.883



66, 29.361, 143.188



34, 4.574, 345.623



32, 57.060, 3.373



2, 9.022, 350.021



# Previews

## White Background



This preview shows how the CIELCh color 57, 26.571, 311.032 looks on a white background.

## Color Contrast Check

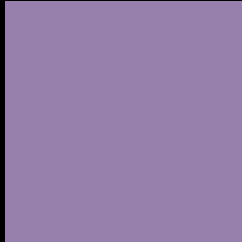
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.571, 311.032 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

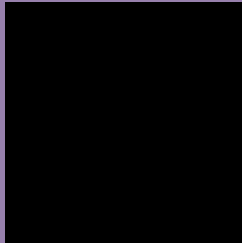
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 57, 26.571, 311.032**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 57, 26.571, 311.032.



This preview shows how white text looks on a background with the CIELCh color 57, 26.571, 311.032.

# 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, 26.571, 311.032

### Protanopia

57, 24.073, 285.687

### Deuteranopia

57, 21.131, 291.668





**Tritanopia**  
57, 8.097, 329.457

# Trichromacy



**Original Color**  
57, 26.571, 311.032

**Protanomaly**  
57, 24.640, 295.413

**Deuteranomaly**  
57, 22.488, 299.039

**Tritanomaly**  
57, 14.698, 317.572

# Monochromacy



**Original Color**  
57, 26.571, 311.032

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 9.649, 309.520

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 26.571, 311.032 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(151, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(151, 128, 172)  
}
```

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(151, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 128, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 26.571, 311.032 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(151, 128, 172) }
```

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

```
.border{ border-color:rgb(151, 128, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 128, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 128, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 128, 172); box-shadow:4px 4px 4px 4px rgb(151, 128, 172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 26.571, 311.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 128, 172) }
```

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

```
.background{ background-color: rgb(151,  
128, 172) }
```

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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