

# Converting Colors

CIELCh(57, 17.983, 334.371)

Have a look what the booklet for  
CIELCh(57, 17.983, 334.371)  
contains.

<b>CIELCh(57, 17.760, 333.909)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(57, 17.760, 333.909)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F8097
RGB	159, 128, 151
RGB Percent	62%, 50%, 59%
CMY	0.3777, 0.4992, 0.4091
CMYK	0.00, 0.20, 0.05, 0.38
HSL	315°, 14%, 56%
HSV	315°, 20%, 62%
XYZ	27.4763, 24.9227, 32.5087
YIQ	139.8910, 11.0930, 13.7250

# Conversions

## Conversions Part 2

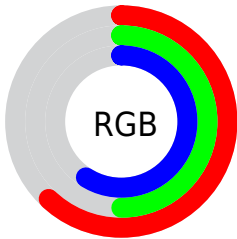
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 128, 151
Decimal	10453143
CIE <sub>Lab</sub>	57.00, 15.95, -7.81
CIE <sub>LCh</sub>	57, 17.760, 333.909
Yxy	24.9227, 0.3236, 0.2935
Android (android.graphics.Color)	4288643223 (0xFF9F8097)
YUV	139.8910, 5.4767, 16.7586
Hunter-Lab	49.9226, 10.8778, -3.6628

# Details

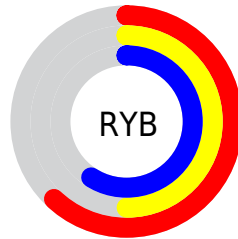
The CIELCh color  $57, 17.760, 333.909$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $63, 17.652, 151.265$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 17.676, 334.228$ , and  $37, 17.349, 333.990$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 26.881, 334.622$ , and if you desaturate by 10%, it is  $61, 8.615, 333.222$ .

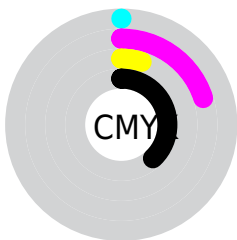
# Distribution



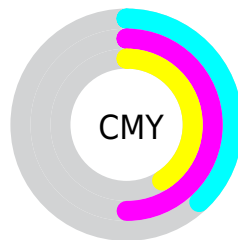
- Red (62%)
- Green (50%)
- Blue (59%)



- Red (62%)
- Yellow (50%)
- Blue (59%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (38%)




- Cyan (38%)
- Magenta (50%)
- Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 17.760, 333.909 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, 17.760, 333.909 by changing the saturation by 10% instead.





 57, 17.760,  
333.909


 57, 17.760,  
333.909

 100, 17.760,  
333.909


 47, 17.760,  
333.909

 77, 17.760,  
333.909

 37, 17.760,  
333.909

 87, 17.760,  
333.909

 27, 17.760,  
333.909

 97, 17.760,  
333.909

 17, 17.760,  
333.909

 7, 17.760, 333.909

 0, 17.760, 333.909

57, 17.760,  
333.909

57, 17.760,  
333.909

53, 26.881,  
334.622

61, 8.615, 333.222

49, 35.788,  
335.371

66, 0.418, 153.272

46, 44.205,  
336.165

70, 9.262, 152.039

42, 51.778,  
337.020

74, 17.873,  
151.451

40, 58.099,  
337.957

79, 26.231,  
150.903

38, 62.771,  
339.012

84, 34.332,  
150.388


36, 65.523,  
340.235


88, 42.180,  
149.902

35, 66.672,

93, 49.787,  
149.445

341.636

 93, 48.383,  
150.980

 35, 66.722,  
341.703

# Harmonies

# Complementary

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



57, 17.760, 333.909



63, 17.652, 151.265

# Rectangle

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



57, 17.760, 333.909



57, 17.760, 23.909



57, 17.760, 153.909



57, 17.760, 203.909

# Sweetspot

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



57, 17.758, 333.910



80, 6.710, 332.983



55, 18.108, 301.240



42, 4.488, 333.026



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, 17.758, 333.910



71, 25.954, 334.185



57, 13.208, 1.449



31, 5.097, 333.202



31, 61.864, 341.548



1, 6.458, 334.011



# Inverse Universe

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



57, 17.758, 333.910



71, 25.954, 334.185



63, 12.368, 177.752



31, 5.097, 333.202



31, 61.864, 341.548

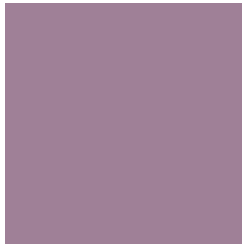


1, 6.458, 334.011



# Previews

## White Background



This preview shows how the CIELCh color 57, 17.760, 333.909 looks on a white background.

## Color Contrast Check

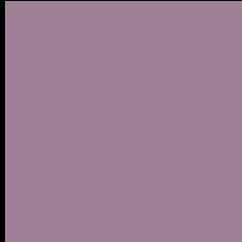
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.760, 333.909 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

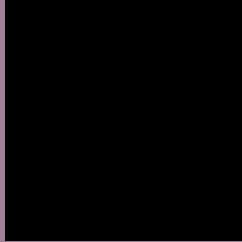
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 17.760, 333.909

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 17.760, 333.909.



This preview shows how white text looks on a background with the CIELCh color 57, 17.760, 333.909.

# 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, 17.760, 333.909

### Protanopia

57, 11.423, 287.818

### Deuteranopia

57, 10.629, 314.482





**Tritanopia**  
57, 12.139, 352.873

# Trichromacy



**Original Color**  
57, 17.760, 333.909

**Protanomaly**  
57, 12.630, 308.848

**Deuteranomaly**  
57, 12.914, 323.646

**Tritanomaly**  
57, 14.247, 344.251

# Monochromacy



**Original Color**  
57, 17.760, 333.909

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 6.282, 333.646

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 17.760, 333.909 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, 128, 151)` looks like.

```
.text, #text, p{  
    color:rgb(159, 128, 151)  
}
```

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, 128, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 128, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 17.760, 333.909 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, 128, 151) }
```

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

```
.border{ border-color:rgb(159, 128, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 128, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 128, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 128, 151);  
box-shadow:4px 4px 4px 4px rgb(159, 128,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 17.760, 333.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 128, 151) }
```

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

```
.background{ background-color: rgb(159,  
128, 151) }
```

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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