

# Converting Colors

CIELCh(57, 4.816, 10.259)

Have a look what the booklet for  
CIELCh(57, 4.816, 10.259) contains.

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# Color

**CIELCh(57, 4.819, 13.059)**

# Conversions

Conversions Part 1	
Format	Color
Hex	928687
RGB	146, 134, 135
RGB Percent	57%, 53%, 53%
CMY	0.4273, 0.4744, 0.4705
CMYK	0.00, 0.08, 0.08, 0.43
HSL	355°, 5%, 55%
HSV	355°, 8%, 57%
XYZ	24.7644, 24.9227, 26.4383
YIQ	137.7020, 6.8310, 2.8550

# Conversions

## Conversions Part 2

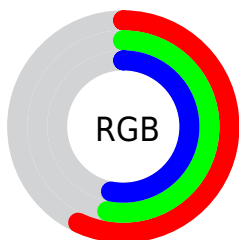
Format	Color
<a href="#">RYB</a>	<a href="#">146, 134, 135</a>
Decimal	<a href="#">9602695</a>
CIELab	<a href="#">57.00, 4.69, 1.09</a>
CIELCh	<a href="#">57, 4.819, 13.059</a>
Yxy	<a href="#">24.9227, 0.3253, 0.3274</a>
Android (android.graphics.Color)	<a href="#">4287792775</a> (0xFF928687)
YUV	<a href="#">137.7020, -1.3321, 7.2773</a>
Hunter-Lab	<a href="#">49.9226, 1.1813, 3.5467</a>

# Details

The CIELCh color  $57, 4.819, 13.059$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $60, 4.617, 192.026$ , and the grayscale version is  $57, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 4.895, 13.428$ , and  $37, 4.819, 12.721$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 11.038, 14.046$ , and if you desaturate by 10%, it is  $61, 1.009, 192.826$ .

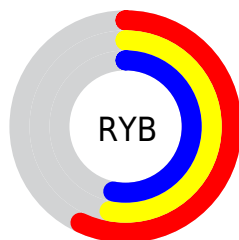
# Distribution



Red (57%)

Green (53%)

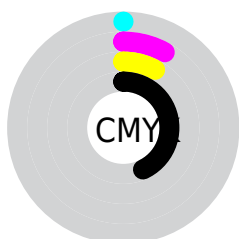
Blue (53%)



Red (57%)

Yellow (53%)

Blue (53%)

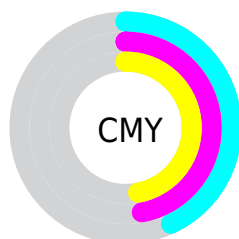


Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (43%)



Cyan (43%)

Magenta (47%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 4.819, 13.059 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, 4.819, 13.059 by changing the saturation by 10% instead.



 57, 4.819, 13.059       57, 4.819, 13.059

 100, 4.819, 13.059       47, 4.819, 13.059

 77, 4.819, 13.059       37, 4.819, 13.059

 87, 4.819, 13.059       27, 4.819, 13.059

 97, 4.819, 13.059       17, 4.819, 13.059

 7, 4.819, 13.059

 0, 4.819, 13.059

 57, 4.819, 13.059       57, 4.819, 13.059

 53, 11.038, 14.046       61, 1.009, 192.826

 49, 17.645, 15.194       66, 6.457, 191.831

45, 24.593, 16.615

70, 11.554,  
191.259

41, 31.785, 18.404

75, 16.332,  
190.782

38, 39.061, 20.674

35, 46.206, 23.543

79, 20.825,  
190.369

32, 52.984, 27.081

83, 25.064,  
190.008

31, 59.161, 31.200

30, 64.548, 35.274

88, 29.079,  
189.688

92, 32.896,  
189.402

94, 32.841,  
197.398

# Harmonies

# Complementary

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



57, 4.819, 13.059



60, 4.617, 192.026

# Rectangle

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



57, 4.819, 13.059



57, 4.819, 63.059



57, 4.819, 193.059



57, 4.819, 243.059

# Sweetspot

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



57, 4.818, 13.075



75, 1.417, 12.313



57, 8.097, 322.552



39, 0.803, 12.278



88, 0.010, 296.813



40, 0.006, 296.813



# Same Dimension

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



57, 4.818, 13.075



71, 7.275, 13.261



58, 3.964, 64.966



29, 3.358, 13.169



28, 62.473, 35.516



1, 2.853, 12.522





# Inverse Universe

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



57, 4.818, 13.075



71, 7.275, 13.261



58, 3.853, 246.896



29, 3.358, 13.169



28, 62.473, 35.516



1, 2.853, 12.522



# Previews

## White Background



This preview shows how the CIELCh color 57, 4.819, 13.059 looks on a white background.

## Color Contrast Check

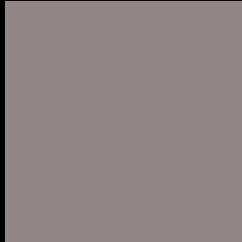
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.819, 13.059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

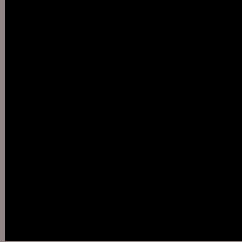
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 57, 4.819, 13.059**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 57, 4.819, 13.059.



This preview shows how white text looks on a background with the CIELCh color 57, 4.819, 13.059.

# 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, 4.819, 13.059

### Protanopia

57, 1.182, 19.175

### Deuteranopia

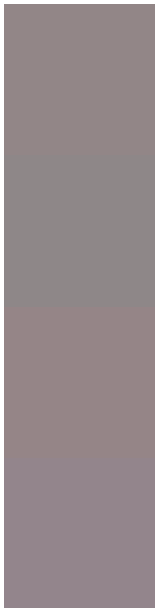
57, 7.803, 7.599



**Tritanopia**  
57, 7.933, 334.305



# Trichromacy



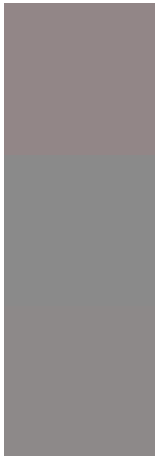
**Original Color**  
57, 4.819, 13.059

**Protanomaly**  
57, 2.832, 7.970

**Deuteranomaly**  
57, 6.501, 9.983

**Tritanomaly**  
57, 6.827, 344.377

# Monochromacy



**Original Color**  
57, 4.819, 13.059

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
57, 1.576, 19.300

# CSS Examples

## Text

The CSS property to change the color of the text to CIElCh 57, 4.819, 13.059 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(146, 134, 135) looks like.

```
.text, #text, p{  
    color:rgb(146, 134, 135)  
}
```

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(146, 134, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 134, 135) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 4.819, 13.059 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(146, 134, 135) }
```

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

```
.border{ border-color:rgb(146, 134, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 134, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 134, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 134, 135);  
box-shadow:4px 4px 4px 4px rgb(146, 134,  
135) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 4.819, 13.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 134, 135) }
```

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

```
.background{ background-color: rgb(146,  
134, 135) }
```

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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