

# Converting Colors

CIELCh(59, 17.986, 304.565)

Have a look what the booklet for  
CIELCh(59, 17.986, 304.565)  
contains.

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# Color

**CIELCh(59, 18.123, 304.881)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9489A8
RGB	148, 137, 168
RGB Percent	58%, 54%, 66%
CMY	0.4195, 0.4626, 0.3410
CMYK	0.12, 0.18, 0.00, 0.34
HSL	261°, 15%, 60%
HSV	261°, 18%, 66%
XYZ	28.2399, 27.0277, 40.7907
YIQ	143.8230, -3.3950, 11.9730

# Conversions

## Conversions Part 2

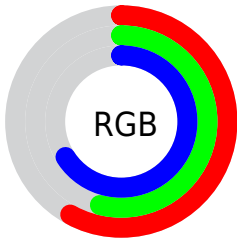
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 137, 168
Decimal	9734568
CIELab	59.00, 10.36, -14.87
CIELCh	59, 18.123, 304.881
Yxy	27.0277, 0.2940, 0.2814
Android (android.graphics.Color)	4287924648 (0xFF9489A8)
YUV	143.8230, 11.9193, 3.6632
Hunter-Lab	51.9882, 5.9813, -10.1281

# Details

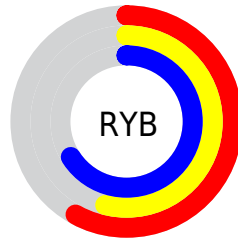
The CIELCh color  $59, 18.123, 304.881$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $67, 17.544, 122.885$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $79, 18.222, 304.986$ , and  $39, 18.279, 304.906$  is the 20% darker color. If you saturate the color by 10%, you get  $54, 28.396, 305.541$ , and if you desaturate by 10%, it is  $64, 8.165, 304.284$ .

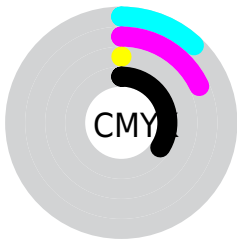
# Distribution



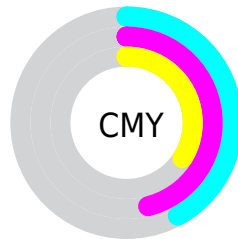
- Red (58%)
- Green (54%)
- Blue (66%)



- Red (58%)
- Yellow (54%)
- Blue (66%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (34%)




- Cyan (42%)
- Magenta (46%)
- Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 18.123, 304.881 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 59, 18.123, 304.881 by changing the saturation by 10% instead.





 59, 18.123,  
304.881


 59, 18.123,  
304.881


 100, 18.123,  
304.881


 49, 18.123,  
304.881


 79, 18.123,  
304.881

 39, 18.123,  
304.881

 89, 18.123,  
304.881

 29, 18.123,  
304.881

 99, 18.123,  
304.881

 19, 18.123,  
304.881

 9, 18.123, 304.881

 0, 18.123, 304.881

59, 18.123,  
304.881

59, 18.123,  
304.881

54, 28.396,  
305.541

64, 8.165, 304.284

48, 38.950,  
306.263

70, 1.464, 123.808

43, 49.690,  
307.029

75, 10.771,  
123.314

38, 60.427,  
307.803

80, 19.767,  
122.910

33, 70.805,  
308.518

86, 28.467,  
122.562

29, 80.233,  
309.068

91, 36.889,  
122.261


26, 87.867,  
309.310


96, 45.049,  
122.002

23, 93.200,

97, 44.254,  
117.019

309.185

 98, 43.659,  
111.654

 23, 93.999,  
309.181

# Harmonies

# Complementary

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



59, 18.123, 304.881



67, 17.544, 122.885

# Rectangle

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



59, 18.123, 304.881



59, 18.123, 354.881



59, 18.123, 124.881



59, 18.123, 174.881

# Sweetspot

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



59, 18.121, 304.880



84, 7.176, 304.153



64, 9.306, 239.712



44, 4.757, 304.187



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



59, 18.121, 304.880



73, 27.011, 305.133



60, 20.130, 321.115



33, 5.483, 304.332



20, 85.476, 309.287



1, 9.794, 302.001



# Inverse Universe

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



60, 16.421, 337.921



75, 24.366, 338.238



66, 20.000, 139.352



33, 5.011, 337.210



32, 59.737, 348.628



2, 8.578, 340.182



# Previews

## White Background



This preview shows how the CIELCh color 59, 18.123, 304.881 looks on a white background.

## Color Contrast Check

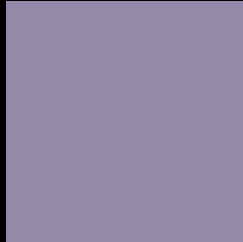
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 18.123, 304.881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

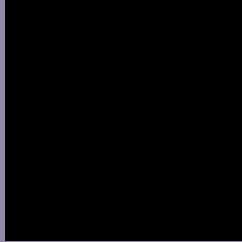
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 18.123, 304.881

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 18.123, 304.881.



This preview shows how white text looks on a background with the CIELCh color 59, 18.123, 304.881.

# 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

59, 18.123, 304.881


### Protanopia

59, 17.051, 286.153

### Deuteranopia

59, 16.551, 297.032





**Tritanopia**  
59, 6.553, 307.782

# Trichromacy



**Original Color**  
59, 18.123, 304.881

**Protanomaly**  
59, 17.015, 292.096

**Deuteranomaly**  
59, 17.271, 300.521

**Tritanomaly**  
59, 10.589, 305.673

# Monochromacy



**Original Color**  
59, 18.123, 304.881

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
59, 6.992, 303.466

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 18.123, 304.881 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(148, 137, 168)` looks like.

```
.text, #text, p{  
    color:rgb(148, 137, 168)  
}
```

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(148, 137, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 137, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 18.123, 304.881 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(148, 137, 168) }
```

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

```
.border{ border-color:rgb(148, 137, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 137, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 137, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 137, 168);  
box-shadow:4px 4px 4px 4px rgb(148, 137,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 18.123, 304.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 137, 168) }
```

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

```
.background{ background-color: rgb(148,  
137, 168) }
```

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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