

# Converting Colors

CIELCh(58, 5.446, 66.867)

Have a look what the booklet for  
CIELCh(58, 5.446, 66.867) contains.

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# Color

**CIELCh(58, 5.364, 67.124)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	938A83
RGB	147, 138, 131
RGB Percent	58%, 54%, 51%
CMY	0.4241, 0.4594, 0.4868
CMYK	0.00, 0.06, 0.11, 0.42
HSL	26°, 7%, 54%
HSV	26°, 11%, 58%
XYZ	25.1622, 25.9610, 25.1079
YIQ	139.8930, 7.6110, -0.2690

# Conversions

## Conversions Part 2

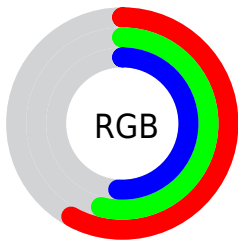
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 143, 131
Decimal	9669251
CIE <sub>Lab</sub>	58.00, 2.09, 4.94
CIE <sub>LCh</sub>	58, 5.364, 67.124
Yxy	25.9610, 0.3301, 0.3406
Android (android.graphics.Color)	4287859331 (0xFF938A83)
<b>YUV</b>	139.8930, -4.3842, 6.2328
Hunter-Lab	50.9519, -1.0149, 6.4497

# Details

The CIELCh color  $58, 5.364, 67.124$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $58, 5.174, 249.735$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $78, 5.293, 64.348$ , and  $38, 5.091, 65.785$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 10.581, 66.090$ , and if you desaturate by 10%, it is  $61, 0.423, 67.505$ .

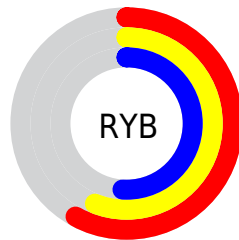
# Distribution



Red (58%)

Green (54%)

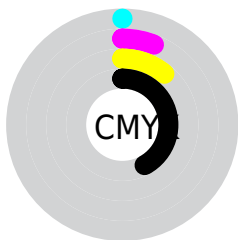
Blue (51%)



Red (58%)

Yellow (56%)

Blue (51%)

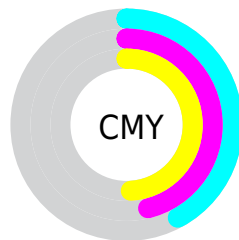


Cyan (0%)

Magenta (6%)

Yellow (11%)

Black (42%)



Cyan (42%)

Magenta (46%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 5.364, 67.124 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 58, 5.364, 67.124 by changing the saturation by 10% instead.



 58, 5.364, 67.124       58, 5.364, 67.124

 100, 5.364, 67.124       48, 5.364, 67.124

 78, 5.364, 67.124       38, 5.364, 67.124

 88, 5.364, 67.124       28, 5.364, 67.124

 98, 5.364, 67.124       18, 5.364, 67.124

 8, 5.364, 67.124

 0, 5.364, 67.124

 58, 5.364, 67.124       58, 5.364, 67.124

 55, 10.581, 66.090       61, 0.423, 67.505

 53, 16.097, 65.023       63, 4.269, 249.437

50, 21.927, 63.967

66, 8.740, 250.449

48, 28.066, 62.928

69, 13.014,  
251.463

46, 34.469, 61.895

71, 17.114,  
252.452

43, 41.013, 60.827

41, 47.423, 59.615

74, 21.062,  
253.409

39, 53.155, 58.028

77, 24.876,  
254.332

38, 57.861, 56.493

80, 28.571,  
255.217

82, 29.123,  
250.165

# Harmonies

# Complementary

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



58, 5.364, 67.124



58, 5.174, 249.735

# Rectangle

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



58, 5.364, 67.124



58, 5.364, 117.124



58, 5.364, 247.124



58, 5.364, 297.124

# Sweetspot

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



58, 5.364, 67.144



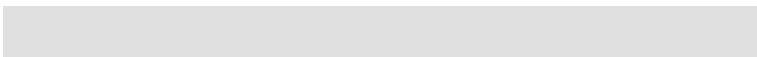
76, 1.790, 67.829



56, 8.176, 341.022



40, 1.372, 67.792



89, 0.011, 296.813



41, 0.006, 296.813



# Same Dimension

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



58, 5.364, 67.144



73, 7.994, 66.898



60, 8.392, 106.283



30, 2.785, 67.315



35, 55.124, 56.731



1, 2.386, 68.377





# Inverse Universe

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



58, 5.174, 249.735



73, 7.641, 250.040



55, 8.571, 288.527



30, 2.704, 249.531



32, 39.396, 275.961



1, 2.386, 248.392



# Previews

## White Background



This preview shows how the CIELCh color 58, 5.364, 67.124 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 58, 5.364, 67.124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

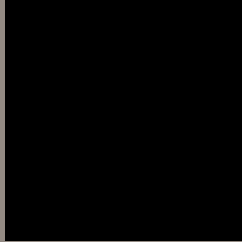
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 5.364, 67.124

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 5.364, 67.124.



This preview shows how white text looks on a background with the CIELCh color 58, 5.364, 67.124.

# 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


58, 5.364, 67.124

### Protanopia

58, 4.943, 85.656

### Deuteranopia

58, 8.853, 34.946



**Tritanopia**  
58, 7.638, 332.135



# Trichromacy



**Original Color**  
58, 5.364, 67.124

**Protanomaly**  
58, 5.119, 81.506

**Deuteranomaly**  
58, 7.463, 42.207

**Tritanomaly**  
58, 4.672, 358.476

# Monochromacy



**Original Color**  
58, 5.364, 67.124

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 1.626, 63.338

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 5.364, 67.124 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(147, 138, 131)` looks like.

```
.text, #text, p{  
    color:rgb(147, 138, 131)  
}
```

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(147, 138, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 138, 131) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 5.364, 67.124 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(147, 138, 131) }
```

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

```
.border{ border-color:rgb(147, 138, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 138, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 138, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 138, 131);  
box-shadow:4px 4px 4px 4px rgb(147, 138,  
131) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 5.364, 67.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 138, 131) }
```

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

```
.background{ background-color: rgb(147,  
138, 131) }
```

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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