

# Converting Colors

CIELCh(58, 4.970, 1.345)

Have a look what the booklet for  
CIELCh(58, 4.970, 1.345) contains.

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# Color

**CIELCh(58, 4.502, 5.215)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	94898B
RGB	148, 137, 139
RGB Percent	58%, 54%, 55%
CMY	0.4205, 0.4636, 0.4558
CMYK	0.00, 0.07, 0.06, 0.42
HSL	349°, 5%, 56%
HSV	349°, 7%, 58%
XYZ	25.7303, 25.9610, 27.9960
YIQ	140.5170, 5.9140, 2.9540

# Conversions

## Conversions Part 2

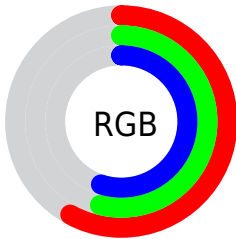
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	148, 137, 139
Decimal	9734539
CIE Lab	58.00, 4.48, 0.41
CIE LCh	58, 4.502, 5.215
Yxy	25.9610, 0.3229, 0.3258
Android (android.graphics.Color)	4287924619 (0xFF94898B)
YUV	140.5170, -0.7479, 6.5626
Hunter-Lab	50.9519, 0.9753, 3.0889

# Details

The CIELCh color  $58, 4.502, 5.215$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $60, 4.366, 184.125$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $78, 4.597, 6.239$ , and  $38, 4.470, 4.084$  is the 20% darker color. If you saturate the color by 10%, you get  $54, 10.832, 6.297$ , and if you desaturate by 10%, it is  $62, 1.502, 184.729$ .

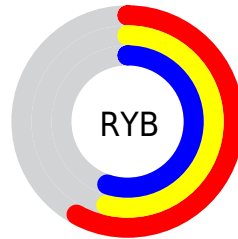
# Distribution



Red (58%)

Green (54%)

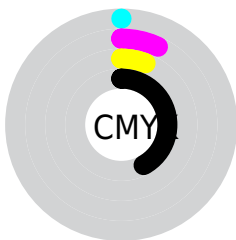
Blue (55%)



Red (58%)

Yellow (54%)

Blue (55%)

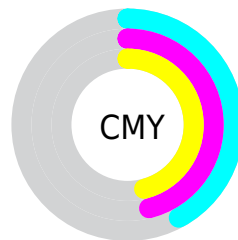


Cyan (0%)

Magenta (7%)

Yellow (6%)

Black (42%)



Cyan (42%)

Magenta (46%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 4.502, 5.215 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, 4.502, 5.215 by changing the saturation by 10% instead.



 58, 4.502, 5.215

 58, 4.502, 5.215

 100, 4.502, 5.215

 48, 4.502, 5.215

 78, 4.502, 5.215

 38, 4.502, 5.215

 88, 4.502, 5.215

 28, 4.502, 5.215

 98, 4.502, 5.215

 18, 4.502, 5.215

 8, 4.502, 5.215

 0, 4.502, 5.215

 58, 4.502, 5.215

 58, 4.502, 5.215

 54, 10.832, 6.297

 62, 1.502, 184.729

 50, 17.467, 7.518

 67, 7.176, 183.762

46, 24.337, 8.986

71, 12.536,  
183.078

42, 31.320, 10.789

76, 17.605,  
182.483

39, 38.227, 13.042

36, 44.817, 15.880

80, 22.408,  
181.954

33, 50.845, 19.436

85, 26.973,  
181.477

32, 56.146, 23.773

31, 60.817, 28.627

89, 31.323,  
181.044

93, 35.482,  
180.651

94, 33.274,  
190.726

# Harmonies

# Complementary

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



58, 4.502, 5.215



60, 4.366, 184.125

# Rectangle

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



58, 4.502, 5.215



58, 4.502, 55.215



58, 4.502, 185.215



58, 4.502, 235.215

# Sweetspot

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



58, 4.501, 5.230



76, 1.473, 4.499



58, 7.183, 319.607



40, 0.844, 4.466



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, 4.501, 5.230



73, 6.750, 5.412



59, 3.563, 52.992



29, 3.436, 5.415



28, 58.738, 29.385



1, 2.935, 4.658





# Inverse Universe

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



58, 4.501, 5.230



73, 6.750, 5.412



59, 3.437, 234.320



29, 3.436, 5.415



28, 58.738, 29.385



1, 2.935, 4.658



# Previews

## White Background



This preview shows how the CIELCh color 58, 4.502, 5.215 looks on a white background.

## Color Contrast Check

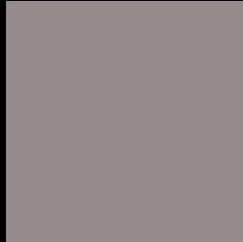
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.502, 5.215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

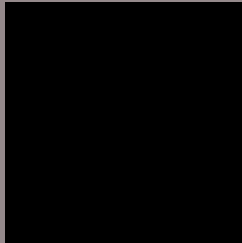
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 4.502, 5.215

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 4.502, 5.215.



This preview shows how white text looks on a background with the CIELCh color 58, 4.502, 5.215.

# 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, 4.502, 5.215

### Protanopia

58, 1.313, 353.602

### Deuteranopia

58, 7.511, 2.621



**Tritanopia**  
58, 7.638, 332.135



# Trichromacy



## Original Color

58, 4.502, 5.215

## Protanomaly

58, 2.627, 353.922

## Deuteranomaly

58, 6.195, 4.093

## Tritanomaly

58, 6.485, 342.269

# Monochromacy



## Original Color

58, 4.502, 5.215

## Achromatopsia

58, 0.007, 296.813

## Achromatomaly

58, 1.675, 359.536

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 4.502, 5.215 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(148, 137, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 137, 139) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 4.502, 5.215 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, 139) }
```

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

```
.border{ border-color:rgb(148, 137, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 137, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 137, 139);  
box-shadow:4px 4px 4px 4px rgb(148, 137,  
139) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 4.502, 5.215 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, 139) }
```

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

```
.background{ background-color: rgb(148,  
137, 139) }
```

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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