

# Converting Colors

CIELCh(59, 12.885, 139.600)

Have a look what the booklet for  
CIELCh(59, 12.885, 139.600)  
contains.

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# Color

**CIELCh(59, 13.200, 139.635)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	82937F
RGB	130, 147, 127
RGB Percent	51%, 58%, 50%
CMY	0.4913, 0.4246, 0.5030
CMYK	0.12, 0.00, 0.14, 0.42
HSL	111°, 8%, 54%
HSV	111°, 14%, 58%
XYZ	23.3652, 27.0277, 23.9692
YIQ	139.6370, -3.7120, -9.8240

# Conversions

## Conversions Part 2

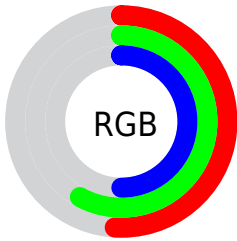
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 147, 144
Decimal	8557439
CIE <sub>Lab</sub>	59.00, -10.06, 8.55
CIE <sub>LCh</sub>	59, 13.200, 139.635
Yxy	27.0277, 0.3142, 0.3635
Android (android.graphics.Color)	4286747519 (0xFF82937F)
YUV	139.6370, -6.2300, -8.4516
Hunter-Lab	51.9882, -10.7556, 9.0561

# Details

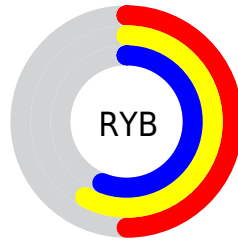
The CIELCh color  $59, 13.200, 139.635$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $55, 13.271, 320.885$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $79, 13.091, 139.994$ , and  $39, 12.774, 138.925$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 22.952, 139.058$ , and if you desaturate by 10%, it is  $60, 3.490, 140.173$ .

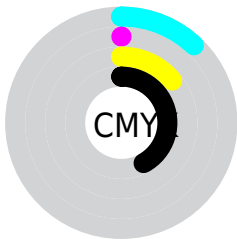
# Distribution



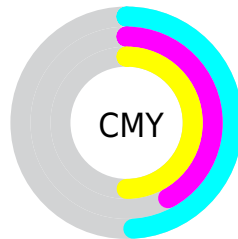
- Red (51%)
- Green (58%)
- Blue (50%)



- Red (50%)
- Yellow (58%)
- Blue (56%)



- Cyan (12%)
- Magenta (0%)
- Yellow (14%)
- Black (42%)




- Cyan (49%)
- Magenta (42%)
- Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 13.200, 139.635 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, 13.200, 139.635 by changing the saturation by 10% instead.





 59, 13.200,  
139.635


 59, 13.200,  
139.635


 100, 13.200,  
139.635


 49, 13.200,  
139.635


 79, 13.200,  
139.635

 39, 13.200,  
139.635

 89, 13.200,  
139.635

 29, 13.200,  
139.635

 99, 13.200,  
139.635

 19, 13.200,  
139.635

 9, 13.200, 139.635

 0, 13.200, 139.635

■ 59, 13.200,  
139.635

■ 59, 13.200,  
139.635

■ 58, 22.952,  
139.058

■ 60, 3.490, 140.173

■ 57, 32.625,  
138.411

■ 62, 6.100, 320.525

■ 56, 42.066,  
137.703

■ 63, 15.510,  
320.914

■ 55, 51.066,  
136.958

■ 65, 24.703,  
321.235

■ 54, 59.354,  
136.227

■ 67, 33.656,  
321.507

■ 54, 66.586,  
135.595

■ 68, 42.358,  
321.739


■ 53, 72.368,  
135.179


■ 70, 50.804,  
321.936

■ 53, 76.353,

■ 72, 58.998,  
322.103

135.091

 74, 65.299,  
323.113

 53, 78.278,  
135.030

# Harmonies

# Complementary

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



59, 13.200, 139.635



55, 13.271, 320.885

# Rectangle

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



59, 13.200, 139.635



59, 13.200, 189.635



59, 13.200, 319.635



59, 13.200, 9.635

# Sweetspot

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



59, 13.202, 139.636



77, 4.778, 140.146



59, 9.636, 101.792



41, 3.425, 140.106



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



59, 13.202, 139.636



75, 19.260, 139.486



59, 10.773, 155.409



31, 5.495, 139.872



50, 74.697, 134.982



2, 4.792, 140.288



# Inverse Universe

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



55, 13.271, 320.885



69, 19.373, 321.010



55, 10.861, 337.318



29, 5.519, 320.679



28, 73.950, 322.628

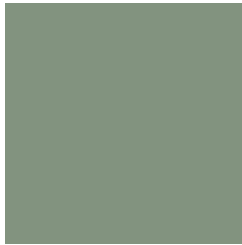


1, 4.792, 320.284



# Previews

## White Background



This preview shows how the CIELCh color 59, 13.200, 139.635 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 59, 13.200, 139.635 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

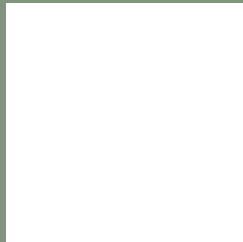
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 59, 13.200, 139.635

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 13.200, 139.635.



This preview shows how white text looks on a background with the CIELCh color 59, 13.200, 139.635.

# 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, 13.200, 139.635

**Protanopia**  
59, 10.010, 92.363

**Deuteranopia**  
59, 10.502, 45.544





**Tritanopia**  
59, 7.002, 262.408

# Trichromacy



**Original Color**  
59, 13.200, 139.635

**Protanomaly**  
59, 10.183, 113.571

**Deuteranomaly**  
59, 8.020, 85.357

**Tritanomaly**  
59, 4.570, 199.057

# Monochromacy



**Original Color**  
59, 13.200, 139.635

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 4.633, 140.303

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 13.200, 139.635 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(130, 147, 127)` looks like.

```
.text, #text, p{  
    color:rgb(130, 147, 127)  
}
```

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(130, 147, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 147, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 13.200, 139.635 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(130, 147, 127) }
```

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

```
.border{ border-color:rgb(130, 147, 127) }
```

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

Here you see how a box with a 4 pixel rgb(130, 147, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 147, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 147, 127);  
box-shadow:4px 4px 4px 4px rgb(130, 147,  
127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 13.200, 139.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 147, 127) }
```

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

```
.background{ background-color: rgb(130,  
147, 127) }
```

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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