

Converting Colors

CIELCh(59, 13.935, 140.064)

Have a look what the booklet for
CIELCh(59, 13.935, 140.064)
contains.

CIELCh(59, 13.895, 139.799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(59, 13.895, 139.799)

Conversions

Conversions Part 1

Format	Color
Hex	81937E
RGB	129, 147, 126
RGB Percent	51%, 58%, 49%
CMY	0.4942, 0.4236, 0.5060
CMYK	0.12, 0.00, 0.14, 0.42
HSL	111°, 9%, 54%
HSV	111°, 14%, 58%
XYZ	23.2412, 27.0277, 23.7201
YIQ	139.2240, -3.9870, -10.3470

Conversions

Conversions Part 2

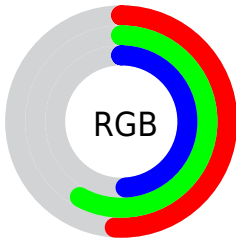
Format	Color
R_{YB}	126, 147, 144
Decimal	8491902
CIE _{Lab}	59.00, -10.61, 8.97
CIE _{LCh}	59, 13.895, 139.799
Yxy	27.0277, 0.3141, 0.3653
Android (android.graphics.Color)	4286681982 (0xFF81937E)
YUV	139.2240, -6.5194, -8.9664
Hunter-Lab	51.9882, -11.1815, 9.3401

Details

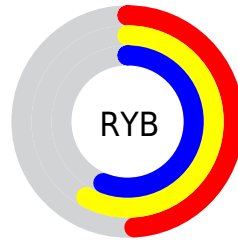
The CIELCh color $59, 13.895, 139.799$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $55, 13.968, 321.126$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $79, 13.746, 140.150$, and $39, 13.524, 139.116$ is the 20% darker color. If you saturate the color by 10%, you get $58, 23.682, 139.212$, and if you desaturate by 10%, it is $60, 4.144, 140.339$.

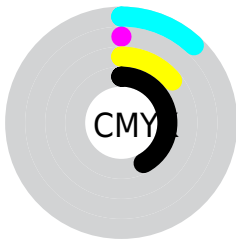
Distribution



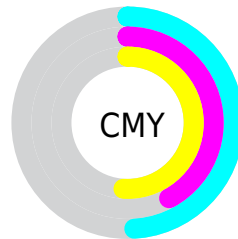
- Red (51%)
- Green (58%)
- Blue (49%)



- Red (49%)
- Yellow (58%)
- Blue (56%)



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





- Cyan (49%)
- Magenta (42%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 13.895, 139.799 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, 13.895, 139.799 by changing the saturation by 10% instead.


 59, 13.895,
139.799


 59, 13.895,
139.799


 100, 13.895,
139.799


 49, 13.895,
139.799


 79, 13.895,
139.799

 39, 13.895,
139.799

 89, 13.895,
139.799

 29, 13.895,
139.799

 99, 13.895,
139.799

 19, 13.895,
139.799

 9, 13.895, 139.799

 0, 13.895, 139.799

■ 59, 13.895,
139.799

■ 59, 13.895,
139.799

■ 58, 23.682,
139.212

■ 60, 4.144, 140.339

■ 57, 33.380,
138.553

■ 62, 5.490, 320.703

■ 56, 42.830,
137.831

■ 63, 14.946,
321.101

■ 55, 51.817,
137.072

■ 65, 24.183,
321.428

■ 54, 60.065,
136.329

■ 67, 33.178,
321.704

■ 54, 67.221,
135.689

■ 68, 41.919,
321.940

■ 53, 72.889,
135.269

■ 70, 50.403,
322.140

■ 53, 76.741,

■ 72, 58.631,
322.310

135.176

74, 65.195,
323.208

53, 78.448,
135.098

Harmonies

Complementary

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



59, 13.895, 139.799



55, 13.968, 321.126

Rectangle

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



59, 13.895, 139.799



59, 13.895, 189.799



59, 13.895, 319.799



59, 13.895, 9.799

Sweetspot

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



59, 13.897, 139.800



77, 4.789, 140.351



60, 10.119, 101.720



41, 3.433, 140.311



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, 13.897, 139.800



75, 20.517, 139.627



59, 11.314, 155.355



31, 5.507, 140.075



50, 74.766, 135.051



2, 4.802, 140.494

Inverse Universe

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



55, 13.968, 321.126



69, 20.637, 321.268



55, 11.409, 337.369



29, 5.530, 320.888



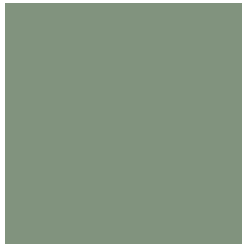
29, 73.889, 322.883



1, 4.803, 320.490

Previews

White Background



This preview shows how the CIELCh color 59, 13.895, 139.799 looks on a white background.

Color Contrast Check

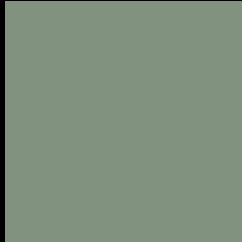
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.895, 139.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

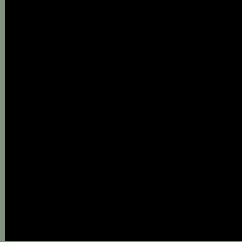
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 13.895, 139.799

Background



This preview shows how black text looks on a background with the CIELCh color 59, 13.895, 139.799.



This preview shows how white text looks on a background with the CIELCh color 59, 13.895, 139.799.

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, 13.895, 139.799

Protanopia

59, 10.675, 90.997

Deuteranopia

59, 10.784, 48.150



Tritanopia
59, 7.002, 262.408

Trichromacy



Original Color
59, 13.895, 139.799

Protanomaly
59, 10.715, 111.112

Deuteranomaly
59, 8.543, 86.782

Tritanomaly
59, 4.570, 199.057

Monochromacy



Original Color
59, 13.895, 139.799

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 5.328, 140.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 13.895, 139.799 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(129, 147, 126)` looks like.

```
.text, #text, p{  
    color:rgb(129, 147, 126)  
}
```

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(129, 147, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 147, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 13.895, 139.799 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(129, 147, 126) }
```

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

```
.border{ border-color:rgb(129, 147, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 147, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 147, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 147, 126);  
box-shadow:4px 4px 4px 4px rgb(129, 147,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 13.895, 139.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 147, 126) }
```

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

```
.background{ background-color: rgb(129,  
147, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor