

Converting Colors

CIELCh(59, 13.014, 108.963)

Have a look what the booklet for
CIELCh(59, 13.014, 108.963)
contains.

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Color

CIELCh(59, 12.947, 108.670)

Conversions

Conversions Part 1

Format	Color
Hex	8F8F78
RGB	143, 143, 120
RGB Percent	56%, 56%, 47%
CMY	0.4374, 0.4374, 0.5277
CMYK	0.00, 0.00, 0.16, 0.44
HSL	60°, 9%, 52%
HSV	60°, 16%, 56%
XYZ	24.7136, 27.0277, 21.8235
YIQ	140.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

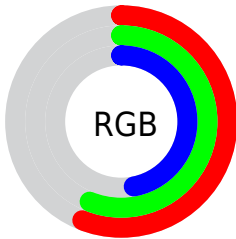
Format	Color
R_{YB}	120, 143, 120
Decimal	9408376
CIE _{Lab}	59.00, -4.14, 12.27
CIE _{LCh}	59, 12.947, 108.670
Yxy	27.0277, 0.3359, 0.3674
Android (android.graphics.Color)	4287598456 (0xFF8F8F78)
YUV	140.3780, -10.0464, 2.2995
Hunter-Lab	51.9882, -6.1258, 11.5031

Details

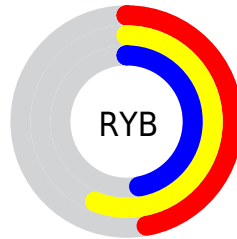
The CIELCh color $59, 12.947, 108.670$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $51, 13.417, 291.873$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 13.275, 108.959$, and $39, 13.339, 108.060$ is the 20% darker color. If you saturate the color by 10%, you get $59, 20.932, 107.735$, and if you desaturate by 10%, it is $59, 4.885, 109.609$.

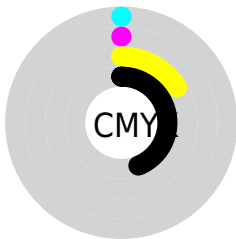
Distribution



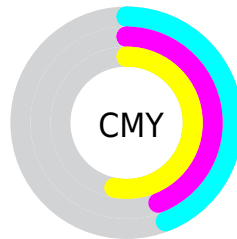
- Red (56%)
- Green (56%)
- Blue (47%)



- Red (47%)
- Yellow (56%)
- Blue (47%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (44%)





- Cyan (44%)
- Magenta (44%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 12.947, 108.670 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, 12.947, 108.670 by changing the saturation by 10% instead.


 59, 12.947,
108.670

 59, 12.947,
108.670


 100, 12.947,
108.670


 49, 12.947,
108.670


 79, 12.947,
108.670

 39, 12.947,
108.670

 89, 12.947,
108.670

 29, 12.947,
108.670

 99, 12.947,
108.670

 19, 12.947,
108.670

 9, 12.947, 108.670

 0, 12.947, 108.670

■ 59, 12.947,
108.670

■ 59, 12.947,
108.670

■ 59, 20.932,
107.735

■ 59, 4.885, 109.609

■ 58, 28.765,
106.807

■ 60, 3.213, 290.560

■ 58, 36.339,
105.911

■ 60, 11.314,
291.450

■ 58, 43.491,
105.073

■ 61, 19.398,
292.318

■ 58, 49.979,
104.325

■ 61, 27.449,
293.153

■ 58, 55.480,
103.701

■ 62, 35.455,
293.949

■ 58, 59.631,
103.239

■ 62, 43.407,
294.704

■ 58, 62.243,

■ 63, 51.299,
295.418

102.953

■ 64, 59.122,
296.090

■ 58, 63.142,
102.855

Harmonies

Complementary

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



59, 12.947, 108.670



51, 13.417, 291.873

Rectangle

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



59, 12.947, 108.670



59, 12.947, 158.670



59, 12.947, 288.670



59, 12.947, 338.670

Sweetspot

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



59, 12.948, 108.676



75, 4.998, 109.694



53, 9.505, 20.433



40, 3.437, 109.637



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



59, 12.948, 108.676



75, 18.945, 108.360



58, 13.834, 128.373



30, 4.546, 109.319



55, 60.463, 102.855



2, 3.084, 110.178

Inverse Universe

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



51, 13.417, 291.873



63, 19.784, 292.284



52, 14.131, 309.779



27, 4.642, 291.099



14, 83.489, 306.287



0, 3.085, 290.180

Previews

White Background



This preview shows how the CIELCh color 59, 12.947, 108.670 looks on a white background.

Color Contrast Check

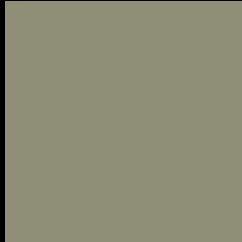
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.947, 108.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

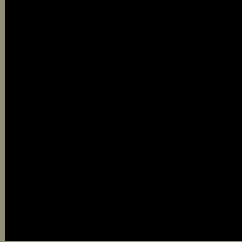
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

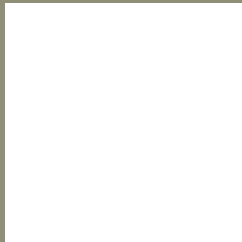
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 59, 12.947, 108.670

Background



This preview shows how black text looks on a background with the CIELCh color 59, 12.947, 108.670.

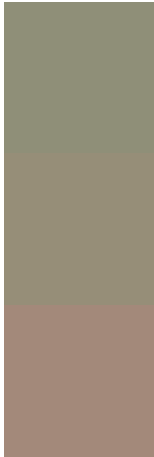


This preview shows how white text looks on a background with the CIELCh color 59, 12.947, 108.670.

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, 12.947, 108.670

Protanopia

59, 12.828, 93.721

Deuteranopia

59, 13.880, 57.508



Tritanopia
59, 7.170, 319.647

Trichromacy



Original Color
59, 12.947, 108.670

Protanomaly
59, 13.101, 99.576

Deuteranomaly
59, 12.430, 74.190

Tritanomaly
59, 2.261, 49.333

Monochromacy



Original Color
59, 12.947, 108.670

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 4.515, 109.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 12.947, 108.670 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(143, 143, 120)` looks like.

```
.text, #text, p{  
    color:rgb(143, 143, 120)  
}
```

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(143, 143, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 143, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 12.947, 108.670 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(143, 143, 120) }
```

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

```
.border{ border-color:rgb(143, 143, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 143, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 143, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 143, 120);  
box-shadow:4px 4px 4px 4px rgb(143, 143,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 12.947, 108.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 143, 120) }
```

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

```
.background{ background-color: rgb(143,  
143, 120) }
```

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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