

Converting Colors

CIELCh(57, 51.035, 159.156)

Have a look what the booklet for
CIELCh(57, 51.035, 159.156)
contains.

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Color

CIELCh(57, 51.011, 159.069)

Conversions

Conversions Part 1

Format	Color
Hex	049C67
RGB	4, 156, 103
RGB Percent	2%, 61%, 40%
CMY	0.9828, 0.3867, 0.5947
CMYK	0.97, 0.00, 0.34, 0.39
HSL	159°, 95%, 32%
HSV	159°, 97%, 61%
XYZ	14.4748, 24.9227, 16.9737
YIQ	104.5100, -73.5790, -48.7070

Conversions

Conversions Part 2

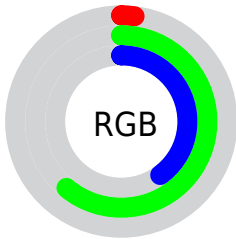
Format	Color
RYB	4, 96, 156
Decimal	302183
CIELab	57.00, -47.64, 18.22
CIELCh	57, 51.011, 159.069
Yxy	24.9227, 0.2568, 0.4421
Android (android.graphics.Color)	4278492263 (0xFF049C67)
YUV	104.5100, -0.7444, -88.1473
Hunter-Lab	49.9226, -35.6094, 14.7873

Details

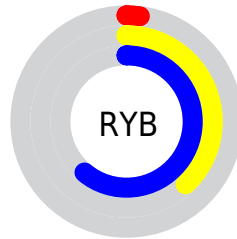
The CIELCh color **57, 51.011, 159.069** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **33, 58.663, 14.484**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 51.401, 158.817**, and **38, 42.521, 152.827** is the 20% darker color. If you saturate the color by 10%, you get **57, 51.810, 158.503**, and if you desaturate by 10%, it is **57, 48.055, 161.156**.

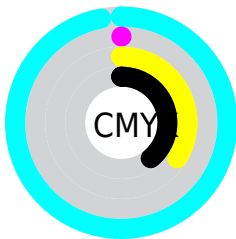
Distribution



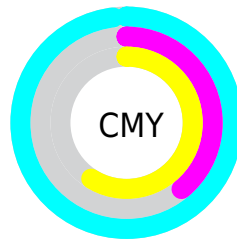
- Red (2%)
- Green (61%)
- Blue (40%)



- Red (2%)
- Yellow (38%)
- Blue (61%)



- Cyan (97%)
- Magenta (0%)
- Yellow (34%)
- Black (39%)





- Cyan (98%)
- Magenta (39%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 51.011, 159.069 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 57, 51.011, 159.069 by changing the saturation by 10% instead.


 57, 51.011,
159.069


 57, 51.011,
159.069


 100, 51.011,
159.069


 47, 51.011,
159.069


 77, 51.011,
159.069

 37, 51.011,
159.069

 87, 51.011,
159.069

 27, 51.011,
159.069

 97, 51.011,
159.069

 17, 51.011,
159.069

 7, 51.011, 159.069

 0, 51.011, 159.069

■ 57, 51.011,
159.069

■ 57, 51.011,
159.069

■ 57, 51.810,
158.503

■ 57, 48.055,
161.156

■ 58, 44.516,
163.077

■ 58, 40.321,
164.799

■ 59, 35.491,
166.338

■ 59, 30.094,
167.716

■ 60, 24.224,
168.956

■ 61, 17.988,
170.081

■ 62, 11.493,

171.116

■ 64, 4.839, 172.105

Harmonies

Complementary

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



57, 51.011, 159.069



33, 58.663, 14.484

Rectangle

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



57, 51.011, 159.069



57, 51.011, 209.069



57, 51.011, 339.069



57, 51.011, 29.069

Sweetspot

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



57, 51.011, 159.069



78, 23.737, 169.824



57, 78.003, 131.817



40, 16.153, 169.381



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 51.011, 159.069



73, 63.618, 158.024



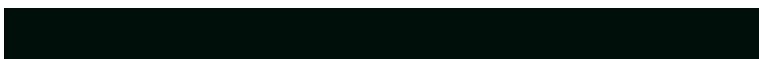
51, 30.111, 223.542



33, 3.830, 171.900



52, 48.318, 158.695



3, 5.147, 170.516

Inverse Universe

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



33, 58.663, 14.484



43, 72.749, 16.993



34, 68.037, 41.790



31, 3.916, 353.449



30, 55.572, 15.323



1, 4.990, 353.851

Previews

White Background



This preview shows how the CIELCh color 57, 51.011, 159.069 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 57, 51.011, 159.069 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 57, 51.011, 159.069

Background



This preview shows how black text looks on a background with the CIELCh color 57, 51.011, 159.069.



This preview shows how white text looks on a background with the CIELCh color 57, 51.011, 159.069.

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
57, 50.967, 159.039

Protanopia
57, 24.200, 95.793

Deuteranopia
57, 17.225, 66.219



Tritanopia
57, 27.642, 211.601

Trichromacy



Original Color
57, 50.967, 159.039



Protanomaly
55, 32.514, 143.217



Deuteranomaly
55, 24.306, 146.383

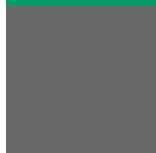


Tritanomaly
57, 33.943, 184.582

Monochromacy



Original Color
57, 50.967, 159.039



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 24.141, 167.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 51.011, 159.069 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(4, 156, 103)` looks like.

```
.text, #text, p{  
    color:rgb(4, 156, 103)  
}
```

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(4, 156, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 156, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 51.011, 159.069 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(4, 156, 103) }
```

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

```
.border{ border-color:rgb(4, 156, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 156, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 156, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 156, 103);  
box-shadow:4px 4px 4px 4px rgb(4, 156,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 51.011, 159.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 156, 103) }
```

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

```
.background{ background-color: rgb(4, 156,  
103) }
```

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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