

Converting Colors

CIELCh(57, 49.431, 160.884)

Have a look what the booklet for
CIELCh(57, 49.431, 160.884)
contains.

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Color

CIELCh(57, 49.339, 160.919)

Conversions

Conversions Part 1

Format	Color
Hex	069C6B
RGB	6, 156, 107
RGB Percent	2%, 61%, 42%
CMY	0.9784, 0.3877, 0.5799
CMYK	0.96, 0.00, 0.31, 0.39
HSL	160°, 93%, 32%
HSV	160°, 96%, 61%
XYZ	14.6408, 24.9227, 17.9838
YIQ	105.5640, -73.6710, -47.0390

Conversions

Conversions Part 2

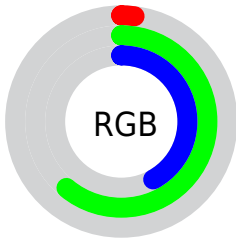
Format	Color
RYB	6, 96, 156
Decimal	433259
CIELab	57.00, -46.63, 16.13
CIELCh	57, 49.339, 160.919
Yxy	24.9227, 0.2544, 0.4331
Android (android.graphics.Color)	4278623339 (0xFF069C6B)
YUV	105.5640, 0.7079, -87.3176
Hunter-Lab	49.9226, -35.0160, 13.5876

Details

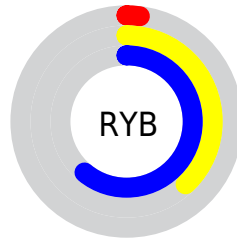
The CIELCh color **57, 49.339, 160.919** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **33, 58.772, 16.291**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 49.376, 160.950**, and **38, 41.203, 154.492** is the 20% darker color. If you saturate the color by 10%, you get **57, 50.284, 160.212**, and if you desaturate by 10%, it is **57, 46.529, 162.971**.

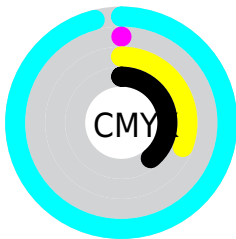
Distribution



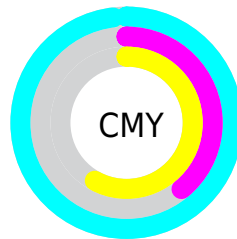
- Red (2%)
- Green (61%)
- Blue (42%)



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



- Cyan (96%)
- Magenta (0%)
- Yellow (31%)
- Black (39%)





- Cyan (98%)
- Magenta (39%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 49.339, 160.919 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, 49.339, 160.919 by changing the saturation by 10% instead.


 57, 49.339,
160.919


 57, 49.339,
160.919


 100, 49.339,
160.919


 47, 49.339,
160.919


 77, 49.339,
160.919

 37, 49.339,
160.919

 87, 49.339,
160.919

 27, 49.339,
160.919

 97, 49.339,
160.919

 17, 49.339,
160.919

 7, 49.339, 160.919

 0, 49.339, 160.919

■ 57, 49.339,
160.919

■ 57, 49.339,
160.919

■ 57, 50.284,
160.212

■ 57, 46.529,
162.971

■ 58, 43.118,
164.846

■ 58, 39.049,
166.528

■ 59, 34.346,
168.033

■ 59, 29.074,
169.384

■ 60, 23.327,
170.604

■ 61, 17.211,
171.717

■ 62, 10.831,

172.746

■ 64, 4.284, 173.741

Harmonies

Complementary

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



57, 49.339, 160.919



33, 58.772, 16.291

Rectangle

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



57, 49.339, 160.919



57, 49.339, 210.919



57, 49.339, 340.919



57, 49.339, 30.919

Sweetspot

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



57, 49.339, 160.919



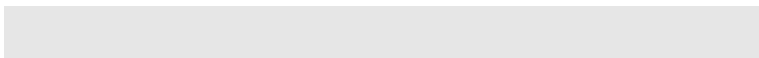
78, 23.335, 171.382



57, 77.997, 132.146



40, 15.871, 170.942



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, 49.339, 160.919



73, 61.796, 159.737



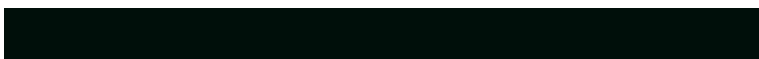
50, 29.965, 226.808



33, 3.774, 173.459



52, 46.962, 160.398



3, 5.076, 171.940

Inverse Universe

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



33, 58.772, 16.291



43, 73.421, 19.205



34, 67.051, 42.188



31, 3.866, 355.018



29, 56.003, 17.506



1, 4.927, 355.363

Previews

White Background



This preview shows how the CIELCh color 57, 49.339, 160.919 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, 49.339, 160.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

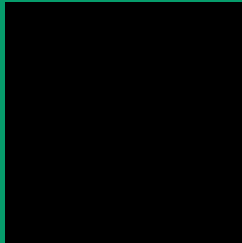
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 49.339, 160.919

Background



This preview shows how black text looks on a background with the CIELCh color 57, 49.339, 160.919.



This preview shows how white text looks on a background with the CIELCh color 57, 49.339, 160.919.

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, 49.296, 160.890

Protanopia
57, 21.924, 96.125

Deuteranopia
57, 15.203, 62.140



Tritanopia
57, 27.801, 211.504

Trichromacy



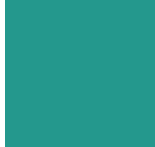
Original Color
57, 49.296, 160.890



Protanomaly
55, 30.678, 145.608



Deuteranomaly
55, 22.506, 149.867



Tritanomaly
57, 33.702, 185.516

Monochromacy



Original Color
57, 49.296, 160.890



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 23.183, 169.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 49.339, 160.919 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(6, 156, 107)` looks like.

```
.text, #text, p{  
    color:rgb(6, 156, 107)  
}
```

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(6, 156, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 156, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 49.339, 160.919 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(6, 156, 107) }
```

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

```
.border{ border-color:rgb(6, 156, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 156, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 156, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 156, 107);  
box-shadow:4px 4px 4px 4px rgb(6, 156,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 49.339, 160.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 156, 107) }
```

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

```
.background{ background-color: rgb(6, 156,  
107) }
```

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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