

Converting Colors

CIELCh(49, 44.989, 159.740)

Have a look what the booklet for
CIELCh(49, 44.989, 159.740)
contains.

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Color

CIELCh(49, 44.669, 160.070)

Conversions

Conversions Part 1

Format	Color
Hex	038559
RGB	3, 133, 89
RGB Percent	1%, 52%, 35%
CMY	0.9891, 0.4773, 0.6500
CMYK	0.98, 0.00, 0.33, 0.48
HSL	160°, 96%, 27%
HSV	160°, 98%, 52%
XYZ	10.2739, 17.5941, 12.3614
YIQ	89.1140, -63.3560, -41.2440

Conversions

Conversions Part 2

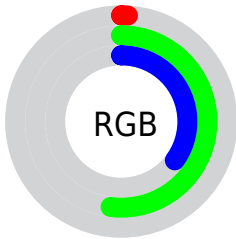
Format	Color
RYB	3, 81, 133
Decimal	230745
CIELab	49.00, -41.99, 15.23
CIELCh	49, 44.669, 160.070
Yxy	17.5941, 0.2554, 0.4373
Android (android.graphics.Color)	4278420825 (0xFF038559)
YUV	89.1140, -0.0562, -75.5220
Hunter-Lab	41.9453, -29.6830, 11.8887

Details

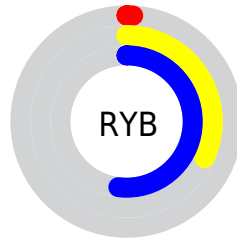
The CIELCh color **49, 44.669, 160.070** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 52.346, 15.084**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 44.643, 159.986**, and **30, 36.497, 152.544** is the 20% darker color. If you saturate the color by 10%, you get **49, 45.206, 159.671**, and if you desaturate by 10%, it is **49, 42.072, 162.068**.

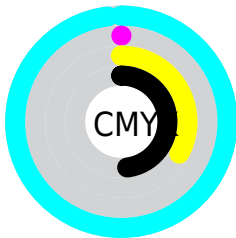
Distribution



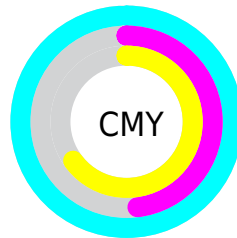
- Red (1%)
- Green (52%)
- Blue (35%)



- Red (1%)
- Yellow (32%)
- Blue (52%)



- Cyan (98%)
- Magenta (0%)
- Yellow (33%)
- Black (48%)



- Cyan (99%)
- Magenta (48%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 44.669, 160.070 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 49, 44.669, 160.070 by changing the saturation by 10% instead.

 49, 44.669,
160.070

 49, 44.669,
160.070


 100, 44.669,
160.070

 39, 44.669,
160.070

 69, 44.669,
160.070


 29, 44.669,
160.070

 79, 44.669,
160.070

 19, 44.669,
160.070

 89, 44.669,
160.070

 9, 44.669, 160.070

 99, 44.669,
160.070

 0, 44.669, 160.070

 49, 44.669,

 49, 44.669,

160.070

160.070

■ 49, 45.206,
159.671

■ 49, 42.072,
162.068

■ 50, 39.015,
163.939

■ 50, 35.388,
165.619

■ 50, 31.211,
167.124

■ 51, 26.541,
168.474

■ 52, 21.458,
169.693

■ 53, 16.052,
170.803

■ 54, 10.413,
171.826

Harmonies

Complementary

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



49, 44.669, 160.070



28, 52.346, 15.084

Rectangle

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



49, 44.669, 160.070



49, 44.669, 210.070



49, 44.669, 340.070



49, 44.669, 30.070

Sweetspot

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



49, 44.669, 160.070



67, 20.632, 170.616



49, 69.383, 131.688



34, 14.019, 170.217



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 44.669, 160.070



63, 55.317, 159.127



44, 26.818, 223.310



27, 3.285, 172.682



48, 44.369, 159.729



1, 0.792, 173.431

Inverse Universe

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



28, 52.346, 15.084



36, 64.554, 17.378



28, 60.072, 41.605



26, 3.359, 354.184



27, 52.017, 15.859



0, 0.792, 353.418

Previews

White Background



This preview shows how the CIELCh color 49, 44.669, 160.070 looks on a white 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

Black Background



This preview shows how the CIE LCh color 49, 44.669, 160.070 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 49, 44.669, 160.070

Background



This preview shows how black text looks on a background with the CIELCh color 49, 44.669, 160.070.



This preview shows how white text looks on a background with the CIELCh color 49, 44.669, 160.070.

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


49, 44.614, 160.027

Protanopia

49, 20.184, 95.940

Deuteranopia

49, 14.664, 62.565



Tritanopia
49, 24.428, 212.640

Trichromacy



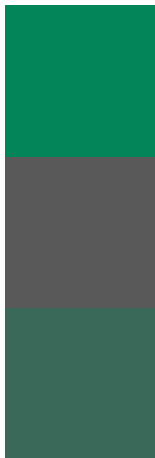
Original Color
49, 44.614, 160.027

Protanomaly
47, 27.501, 144.835

Deuteranomaly
47, 20.707, 147.213

Tritanomaly
49, 29.680, 186.009

Monochromacy



Original Color
49, 44.614, 160.027

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 20.642, 168.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 44.669, 160.070 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(3, 133, 89)` looks like.

```
.text, #text, p{  
    color:rgb(3, 133, 89)  
}
```

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(3, 133, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 133, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 44.669, 160.070 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(3, 133, 89) }
```

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

```
.border{ border-color:rgb(3, 133, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 133, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 133, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 133, 89);  
box-shadow:4px 4px 4px 4px rgb(3, 133, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 44.669, 160.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 133, 89) }
```

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

```
.background{ background-color: rgb(3, 133,  
89) }
```

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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