

Converting Colors

CIELCh(49, 70.757, 158.070)

Have a look what the booklet for
CIELCh(49, 70.757, 158.070)
contains.

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Color

CIELCh(51, 56.761, 149.348)

Conversions

Conversions Part 1

Format	Color
Hex	018C45
RGB	1, 140, 69
RGB Percent	0%, 55%, 27%
CMY	0.9969, 0.4500, 0.7285
CMYK	0.99, 0.00, 0.51, 0.45
HSL	149°, 99%, 28%
HSV	149°, 99%, 55%
XYZ	10.5065, 19.2686, 8.8331
YIQ	90.3450, -60.0530, -51.5490

Conversions

Conversions Part 2

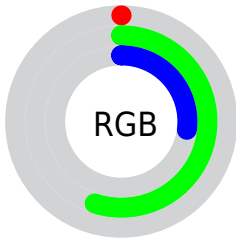
Format	Color
RYB	1, 94, 140
Decimal	101445
CIELab	51.00, -48.83, 28.94
CIELCh	51, 56.761, 149.348
Yxy	19.2686, 0.2721, 0.4991
Android (android.graphics.Color)	4278291525 (0xFF018C45)
YUV	90.3450, -10.5231, -78.3556
Hunter-Lab	43.8960, -34.0939, 18.7965

Details

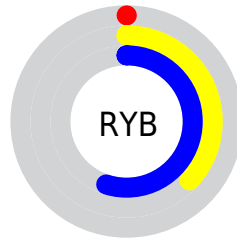
The CIELCh color **51, 56.761, 149.348** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 54.435, 359.929**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **71, 56.659, 149.381**, and **32, 48.687, 141.267** is the 20% darker color. If you saturate the color by 10%, you get **51, 56.962, 149.241**, and if you desaturate by 10%, it is **51, 53.088, 151.412**.

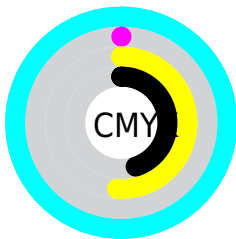
Distribution



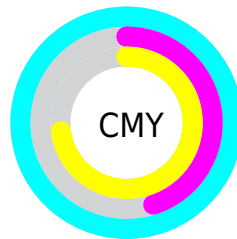
- Red (0%)
- Green (55%)
- Blue (27%)



- Red (0%)
- Yellow (37%)
- Blue (55%)



- Cyan (99%)
- Magenta (0%)
- Yellow (51%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 56.761, 149.348 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 51, 56.761, 149.348 by changing the saturation by 10% instead.


 51, 56.761,
149.348


 51, 56.761,
149.348


 100, 56.761,
149.348


 41, 56.761,
149.348


 71, 56.761,
149.348

 31, 56.761,
149.348

 81, 56.761,
149.348

 21, 56.761,
149.348

 91, 56.761,
149.348

 11, 56.761,
149.348

 1, 56.761, 149.348

 0, 56.761, 149.348

■ 51, 56.761,
149.348

■ 51, 56.761,
149.348

■ 51, 56.962,
149.241

■ 51, 53.088,
151.412

■ 52, 48.932,
153.401

■ 52, 44.156,
155.191

■ 52, 38.797,
156.784

■ 53, 32.931,
158.193

■ 54, 26.657,
159.440

■ 55, 20.088,
160.547

■ 56, 13.329,

161.539

■ 57, 6.477, 162.447

Harmonies

Complementary

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



51, 56.761, 149.348



30, 54.435, 359.929

Rectangle

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



51, 56.761, 149.348



51, 56.761, 199.348



51, 56.761, 329.348



51, 56.761, 19.348

Sweetspot

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



51, 56.761, 149.348



70, 25.474, 160.419



52, 69.120, 127.076



36, 17.264, 160.019



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 56.761, 149.348



66, 70.222, 148.697



53, 32.475, 193.929



30, 3.929, 162.469



49, 55.350, 149.327



2, 2.656, 163.163

Inverse Universe

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



30, 54.435, 359.929



39, 66.326, 1.104



28, 65.296, 38.267



28, 3.975, 343.845



28, 53.096, 359.960



1, 2.657, 343.153

Previews

White Background



This preview shows how the CIELCh color 51, 56.761, 149.348 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 51, 56.761, 149.348 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 51, 56.761, 149.348

Background



This preview shows how black text looks on a background with the CIELCh color 51, 56.761, 149.348.



This preview shows how white text looks on a background with the CIELCh color 51, 56.761, 149.348.

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
51, 56.712, 149.306

Protanopia
51, 33.388, 96.191

Deuteranopia
51, 27.059, 75.184



Tritanopia
51, 24.074, 212.841

Trichromacy



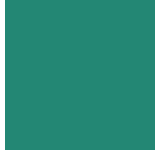
Original Color
51, 56.712, 149.306



Protanomaly
49, 40.134, 132.825



Deuteranomaly
49, 31.684, 131.336



Tritanomaly
51, 32.907, 176.349

Monochromacy



Original Color
51, 56.712, 149.306



Achromatopsia
38, 0.005, 296.813



Achromatomaly
42, 25.285, 158.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 56.761, 149.348 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(1, 140, 69)` looks like.

```
.text, #text, p{  
    color:rgb(1, 140, 69)  
}
```

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(1, 140, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 140, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 56.761, 149.348 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(1, 140, 69) }
```

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

```
.border{ border-color:rgb(1, 140, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 140, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 140, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 140, 69);  
box-shadow:4px 4px 4px 4px rgb(1, 140, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 56.761, 149.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 140, 69) }
```

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

```
.background{ background-color: rgb(1, 140,  
69) }
```

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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