

Converting Colors

CIELCh(49, 70.261, 138.579)

Have a look what the booklet for
CIELCh(49, 70.261, 138.579)
contains.

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Color

CIELCh(49, 70.370, 138.559)

Conversions

Conversions Part 1

Format	Color
Hex	018819
RGB	1, 136, 25
RGB Percent	0%, 53%, 10%
CMY	0.9960, 0.4679, 0.9034
CMYK	0.99, 0.00, 0.82, 0.47
HSL	131°, 99%, 27%
HSV	131°, 99%, 53%
XYZ	8.9437, 17.5941, 3.8237
YIQ	82.9810, -44.8290, -63.1410

Conversions

Conversions Part 2

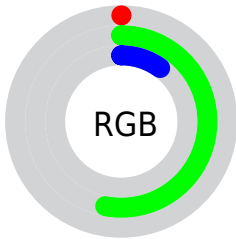
Format	Color
RYB	1, 116, 136
Decimal	100377
CIELab	49.00, -52.75, 46.57
CIELCh	49, 70.370, 138.559
Yxy	17.5941, 0.2946, 0.5795
Android (android.graphics.Color)	4278290457 (0xFF018819)
YUV	82.9810, -28.5846, -71.8973
Hunter-Lab	41.9453, -35.3440, 23.9568

Details

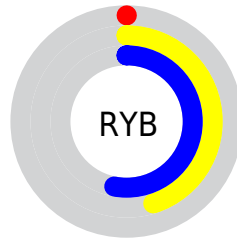
The CIELCh color **49, 70.370, 138.559** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **30, 63.166, 336.384**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 70.757, 138.422**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 70.630, 138.479**, and if you desaturate by 10%, it is **49, 66.444, 139.930**.

Distribution



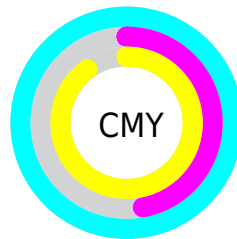
- Red (0%)
- Green (53%)
- Blue (10%)



- Red (0%)
- Yellow (45%)
- Blue (53%)



- Cyan (99%)
- Magenta (0%)
- Yellow (82%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 70.370, 138.559 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, 70.370, 138.559 by changing the saturation by 10% instead.


 49, 70.370,
138.559


 49, 70.370,
138.559


 100, 70.370,
138.559


 39, 70.370,
138.559

 69, 70.370,
138.559


 29, 70.370,
138.559

 79, 70.370,
138.559

 19, 70.370,
138.559

 89, 70.370,
138.559

 9, 70.370, 138.559

 99, 70.370,
138.559

 0, 70.370, 138.559

 49, 70.370,

 49, 70.370,

138.559

■ 49, 70.630,
138.479

138.559

■ 49, 66.444,
139.930

■ 49, 61.452,
141.459

■ 50, 55.436,
142.943

■ 50, 48.569,
144.320

■ 51, 41.041,
145.557

■ 52, 33.036,
146.647

■ 53, 24.729,
147.596

■ 54, 16.270,
148.421

Harmonies

Complementary

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



49, 70.370, 138.559



30, 63.166, 336.384

Rectangle

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



49, 70.370, 138.559



49, 70.370, 188.559



49, 70.370, 318.559



49, 70.370, 8.559

Sweetspot

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



49, 70.370, 138.560



67, 31.348, 147.471



53, 61.526, 112.586



35, 21.527, 147.131



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 70.370, 138.560



63, 86.176, 138.127



50, 45.412, 160.066



28, 4.805, 149.150



48, 69.403, 138.515



1, 2.222, 149.688

Inverse Universe

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



30, 63.166, 336.384



40, 76.349, 336.661



28, 53.523, 16.152



27, 4.818, 330.194



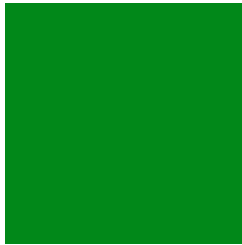
30, 62.254, 336.424



0, 2.223, 329.682

Previews

White Background



This preview shows how the CIELCh color 49, 70.370, 138.559 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 CIELCh color 49, 70.370, 138.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

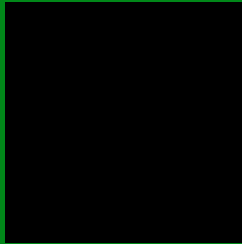
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 70.370, 138.559

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.370, 138.559.



This preview shows how white text looks on a background with the CIELCh color 49, 70.370, 138.559.

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, 70.417, 138.604

Protanopia

49, 50.450, 95.079

Deuteranopia

49, 44.095, 81.734



Tritanopia
49, 22.363, 214.308

Trichromacy



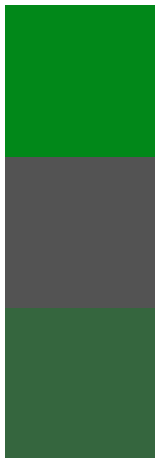
Original Color
49, 70.417, 138.604

Protanomaly
47, 55.221, 122.048

Deuteranomaly
46, 47.869, 118.526

Tritanomaly
48, 37.217, 163.292

Monochromacy



Original Color
49, 70.417, 138.604

Achromatopsia
35, 0.005, 296.813

Achromatomaly
39, 31.579, 146.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.370, 138.559 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, 136, 25)` looks like.

```
.text, #text, p{  
    color:rgb(1, 136, 25)  
}
```

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, 136, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 136, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.370, 138.559 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, 136, 25) }
```

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

```
.border{ border-color:rgb(1, 136, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 136, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 136, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 136, 25);  
box-shadow:4px 4px 4px 4px rgb(1, 136, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.370, 138.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 136, 25) }
```

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

```
.background{ background-color: rgb(1, 136,  
25) }
```

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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