

Converting Colors

CIELCh(49, 70.499, 138.436)

Have a look what the booklet for
CIELCh(49, 70.499, 138.436)
contains.

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Color

CIELCh(49, 70.626, 138.407)

Conversions

Conversions Part 1

Format	Color
Hex	018818
RGB	1, 136, 24
RGB Percent	0%, 53%, 9%
CMY	0.9959, 0.4678, 0.9073
CMYK	0.99, 0.00, 0.83, 0.47
HSL	130°, 98%, 27%
HSV	130°, 99%, 53%
XYZ	8.9357, 17.5941, 3.7697
YIQ	82.8670, -44.5080, -63.4520

Conversions

Conversions Part 2

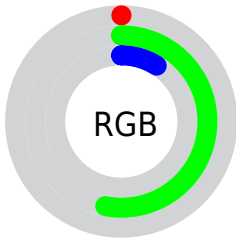
Format	Color
R_{YB}	1, 116, 136
Decimal	100376
CIE _{Lab}	49.00, -52.82, 46.88
CIE _{LCh}	49, 70.626, 138.407
Yxy	17.5941, 0.2949, 0.5807
Android (android.graphics.Color)	4278290456 (0xFF018818)
YUV	82.8670, -29.0214, -71.7974
Hunter-Lab	41.9453, -35.3779, 24.0331

Details

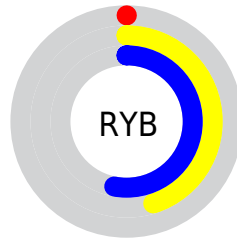
The CIELCh color **49, 70.626, 138.407** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **30, 63.523, 335.964**, and the grayscale version is **35, 0.005, 296.813**.

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, 70.891, 138.327**, and if you desaturate by 10%, it is **49, 66.734, 139.746**.

Distribution



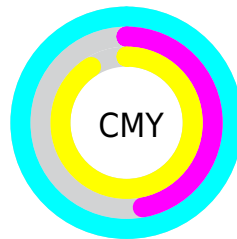
- Red (0%)
- Green (53%)
- Blue (9%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (83%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 70.626, 138.407 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, 70.626, 138.407 by changing the saturation by 10% instead.


 49, 70.626,
138.407


 49, 70.626,
138.407


 100, 70.626,
138.407


 39, 70.626,
138.407

 69, 70.626,
138.407


 29, 70.626,
138.407

 79, 70.626,
138.407

 19, 70.626,
138.407

 89, 70.626,
138.407

 9, 70.626, 138.407

 99, 70.626,
138.407

 0, 70.626, 138.407

 49, 70.626,

 49, 70.626,

138.407

138.407

■ 49, 70.891,
138.327

■ 49, 66.734,
139.746

■ 49, 61.748,
141.252

■ 50, 55.716,
142.722

■ 50, 48.819,
144.089

■ 51, 41.251,
145.320

■ 52, 33.202,
146.406

■ 53, 24.847,
147.352

■ 54, 16.339,
148.174

Harmonies

Complementary

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



49, 70.626, 138.407



30, 63.523, 335.964

Rectangle

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



49, 70.626, 138.407



49, 70.626, 188.407



49, 70.626, 318.407



49, 70.626, 8.407

Sweetspot

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



49, 70.626, 138.408



67, 31.522, 147.225



53, 61.524, 112.586



35, 21.647, 146.886



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, 70.626, 138.408



63, 86.470, 137.984



50, 45.409, 160.071



28, 4.831, 148.898



48, 69.655, 138.363



1, 2.234, 149.433

Inverse Universe

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



30, 63.523, 335.964



40, 76.789, 336.226



28, 53.519, 16.141



27, 4.844, 329.936



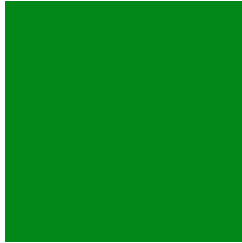
30, 62.606, 336.003



0, 2.235, 329.427

Previews

White Background



This preview shows how the CIELCh color 49, 70.626, 138.407 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, 70.626, 138.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

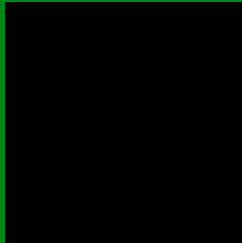
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 70.626, 138.407

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.626, 138.407.



This preview shows how white text looks on a background with the CIELCh color 49, 70.626, 138.407.

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, 70.672, 138.451

Protanopia

49, 50.733, 95.085

Deuteranopia

49, 44.518, 81.880



Tritanopia
49, 22.363, 214.308

Trichromacy



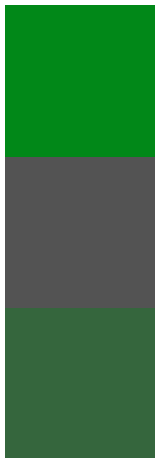
Original Color
49, 70.672, 138.451

Protanomaly
47, 55.499, 121.925

Deuteranomaly
46, 48.255, 118.369

Tritanomaly
48, 37.217, 163.292

Monochromacy



Original Color
49, 70.672, 138.451

Achromatopsia
35, 0.005, 296.813

Achromatomaly
39, 32.051, 145.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.626, 138.407 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(1, 136, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 136, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.626, 138.407 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, 24) }
```

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

```
.border{ border-color:rgb(1, 136, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 136, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 136, 24);  
box-shadow:4px 4px 4px 4px rgb(1, 136, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.626, 138.407 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, 24) }
```

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

```
.background{ background-color: rgb(1, 136,  
24) }
```

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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