

Converting Colors

CIELCh(49, 69.674, 139.280)

Have a look what the booklet for
CIELCh(49, 69.674, 139.280)
contains.

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Color

CIELCh(49, 69.660, 139.133)

Conversions

Conversions Part 1

Format	Color
Hex	00881C
RGB	0, 136, 28
RGB Percent	0%, 53%, 11%
CMY	1.0000, 0.4679, 0.8916
CMYK	1.00, 0.00, 0.80, 0.47
HSL	132°, 100%, 27%
HSV	132°, 100%, 53%
XYZ	8.9523, 17.5941, 4.0007
YIQ	83.0240, -46.3880, -62.4200

Conversions

Conversions Part 2

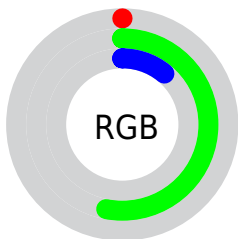
Format	Color
RYB	0, 113, 136
Decimal	34844
CIELab	49.00, -52.68, 45.58
CIELCh	49, 69.660, 139.133
Yxy	17.5941, 0.2931, 0.5760
Android (android.graphics.Color)	4278224924 (0xFF00881C)
YUV	83.0240, -27.1268, -72.8120
Hunter-Lab	41.9453, -35.3073, 23.7066

Details

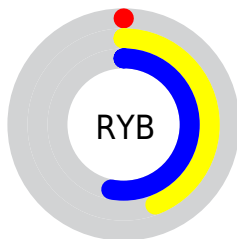
The CIELCh color **49, 69.660, 139.133** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **30, 61.978, 338.079**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 69.766, 139.222**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 69.614, 139.090**, and if you desaturate by 10%, it is **49, 65.633, 140.547**.

Distribution



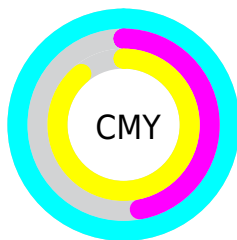
- Red (0%)
- Green (53%)
- Blue (11%)



- Red (0%)
- Yellow (44%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 69.660, 139.133 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, 69.660, 139.133 by changing the saturation by 10% instead.


 49, 69.660,
139.133


 49, 69.660,
139.133


 100, 69.660,
139.133


 39, 69.660,
139.133

 69, 69.660,
139.133


 29, 69.660,
139.133

 79, 69.660,
139.133

 19, 69.660,
139.133

 89, 69.660,
139.133

 9, 69.660, 139.133

 99, 69.660,
139.133

 0, 69.660, 139.133

 49, 69.660,

 49, 69.660,

139.133

139.133

■ 49, 69.614,
139.090

■ 49, 65.633,
140.547

■ 49, 60.703,
142.156

■ 50, 54.811,
143.698

■ 50, 48.109,
145.115

■ 51, 40.765,
146.384

■ 52, 32.952,
147.500

■ 53, 24.835,
148.472

■ 54, 16.559,
149.317

Harmonies

Complementary

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



49, 69.660, 139.133



30, 61.978, 338.079

Rectangle

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



49, 69.660, 139.133



49, 69.660, 189.133



49, 69.660, 319.133



49, 69.660, 9.133

Sweetspot

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



49, 69.614, 139.090



67, 30.702, 148.412



53, 62.154, 114.431



35, 21.083, 148.068



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, 69.614, 139.090



63, 84.997, 138.706



50, 43.783, 162.454



28, 4.707, 150.117



48, 68.401, 139.129



1, 2.178, 150.664

Inverse Universe

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



30, 61.978, 338.079



40, 74.748, 338.344



28, 54.431, 19.522



27, 4.722, 331.182



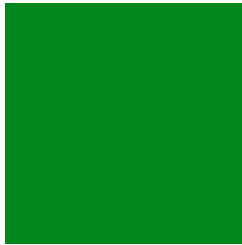
29, 60.975, 338.052



0, 2.178, 330.658

Previews

White Background



This preview shows how the CIELCh color 49, 69.660, 139.133 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, 69.660, 139.133 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, 69.660, 139.133

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.660, 139.133.



This preview shows how white text looks on a background with the CIELCh color 49, 69.660, 139.133.

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, 69.660, 139.133

Protanopia

49, 49.228, 95.046

Deuteranopia

49, 43.232, 81.423



Tritanopia
49, 22.363, 214.308

Trichromacy



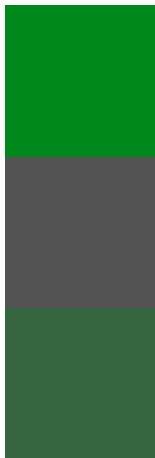
Original Color
49, 69.660, 139.133

Protanomaly
47, 54.181, 122.986

Deuteranomaly
46, 46.800, 119.539

Tritanomaly
49, 36.827, 164.000

Monochromacy



Original Color
49, 69.660, 139.133

Achromatopsia
35, 0.005, 296.813

Achromatomaly
39, 31.107, 146.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 69.660, 139.133 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(0, 136, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 28)  
}
```

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(0, 136, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.660, 139.133 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(0, 136, 28) }
```

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

```
.border{ border-color:rgb(0, 136, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 28);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.660, 139.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 28) }
```

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

```
.background{ background-color: rgb(0, 136,  
28) }
```

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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