

Converting Colors

CIELCh(48, 75.812, 144.657)

Have a look what the booklet for
CIELCh(48, 75.812, 144.657)
contains.

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Color

CIELCh(49, 69.379, 139.305)

Conversions

Conversions Part 1

Format	Color
Hex	00881D
RGB	0, 136, 29
RGB Percent	0%, 53%, 11%
CMY	1.0000, 0.4680, 0.8877
CMYK	1.00, 0.00, 0.79, 0.47
HSL	133°, 100%, 27%
HSV	133°, 100%, 53%
XYZ	8.9613, 17.5941, 4.0627
YIQ	83.1380, -46.7090, -62.1090

Conversions

Conversions Part 2

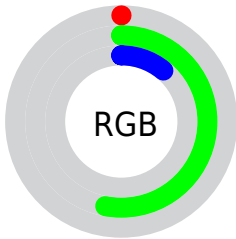
Format	Color
RYB	0, 112, 136
Decimal	34845
CIELab	49.00, -52.60, 45.24
CIELCh	49, 69.379, 139.305
Yxy	17.5941, 0.2927, 0.5746
Android (android.graphics.Color)	4278224925 (0xFF00881D)
YUV	83.1380, -26.6900, -72.9120
Hunter-Lab	41.9453, -35.2689, 23.6190

Details

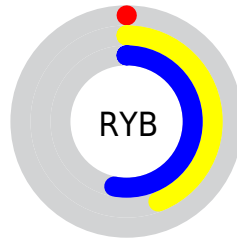
The CIELCh color **49, 69.379, 139.305** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **30, 61.646, 338.516**, and the grayscale version is **35, 0.005, 296.813**.

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, 69.330, 139.259**, and if you desaturate by 10%, it is **49, 65.324, 140.745**.

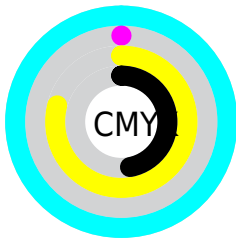
Distribution



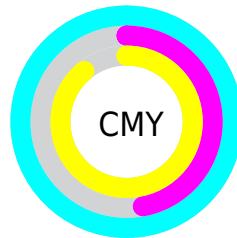
- Red (0%)
- Green (53%)
- Blue (11%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (47%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 69.379, 139.305 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, 69.379, 139.305 by changing the saturation by 10% instead.

 49, 69.379,
139.305


 49, 69.379,
139.305


 100, 69.379,
139.305


 39, 69.379,
139.305

 69, 69.379,
139.305


 29, 69.379,
139.305

 79, 69.379,
139.305

 19, 69.379,
139.305

 89, 69.379,
139.305

 9, 69.379, 139.305

 99, 69.379,
139.305

 0, 69.379, 139.305

 49, 69.379,

 49, 69.379,

139.305

139.305

■ 49, 69.330,
139.259

■ 49, 65.324,
140.745

■ 49, 60.393,
142.373

■ 50, 54.518,
143.927

■ 50, 47.846,
145.352

■ 51, 40.541,
146.626

■ 52, 32.771,
147.746

■ 53, 24.698,
148.721

■ 54, 16.468,
149.569

Harmonies

Complementary

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



49, 69.379, 139.305



30, 61.646, 338.516

Rectangle

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



49, 69.379, 139.305



49, 69.379, 189.305



49, 69.379, 319.305



49, 69.379, 9.305

Sweetspot

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



49, 69.330, 139.259



67, 30.536, 148.661



53, 62.149, 114.431



35, 20.969, 148.316



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, 69.330, 139.259



63, 84.673, 138.867



50, 43.779, 162.455



28, 4.682, 150.373



48, 68.127, 139.299



1, 2.166, 150.923

Inverse Universe

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



30, 61.646, 338.516



40, 74.347, 338.795



28, 54.426, 19.521



27, 4.698, 331.444



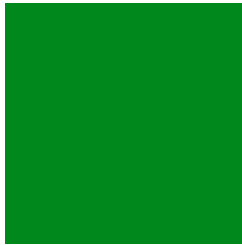
29, 60.654, 338.488



0, 2.167, 330.917

Previews

White Background



This preview shows how the CIELCh color 49, 69.379, 139.305 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, 69.379, 139.305 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, 69.379, 139.305

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.379, 139.305.



This preview shows how white text looks on a background with the CIELCh color 49, 69.379, 139.305.

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, 69.379, 139.305

Protanopia

49, 48.900, 95.036

Deuteranopia

49, 43.232, 81.423



Tritanopia
49, 22.363, 214.308

Trichromacy



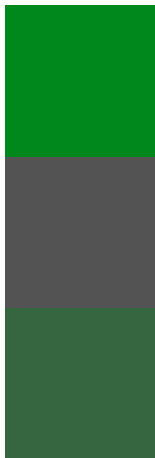
Original Color
49, 69.379, 139.305

Protanomaly
47, 53.863, 123.132

Deuteranomaly
46, 46.800, 119.539

Tritanomaly
49, 36.441, 164.722

Monochromacy



Original Color
49, 69.379, 139.305

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, 69.379, 139.305 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.379, 139.305 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, 29) }
```

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

```
.border{ border-color:rgb(0, 136, 29) }
```

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, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.379, 139.305 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, 29) }
```

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

```
.background{ background-color: rgb(0, 136,  
29) }
```

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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