

Converting Colors

CIELCh(48, 67.427, 139.832)

Have a look what the booklet for
CIELCh(48, 67.427, 139.832)
contains.

CIELCh(48, 67.427, 139.832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 67.427, 139.832)

Conversions

Conversions Part 1

Format	Color
Hex	00851F
RGB	0, 133, 31
RGB Percent	0%, 52%, 12%
CMY	1.0000, 0.4795, 0.8795
CMYK	1.00, 0.00, 0.77, 0.48
HSL	134°, 100%, 26%
HSV	134°, 100%, 52%
XYZ	8.5849, 16.7945, 4.0665
YIQ	81.6050, -46.5260, -59.9180

Conversions

Conversions Part 2

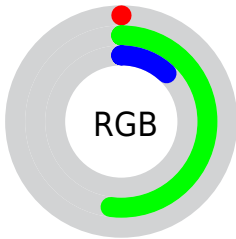
Format	Color
RYB	0, 108, 133
Decimal	34079
CIELab	48.00, -51.52, 43.49
CIELCh	48, 67.427, 139.832
Yxy	16.7945, 0.2915, 0.5704
Android (android.graphics.Color)	4278224159 (0xFF00851F)
YUV	81.6050, -24.9483, -71.5676
Hunter-Lab	40.9810, -34.3240, 22.8035

Details

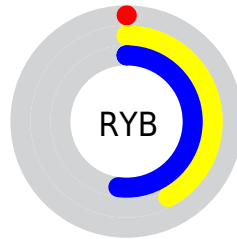
The CIELCh color **48, 67.427, 139.832** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 59.825, 339.735**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 67.025, 139.947**, and **29, 52.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **48, 67.388, 139.795**, and if you desaturate by 10%, it is **48, 63.369, 141.348**.

Distribution



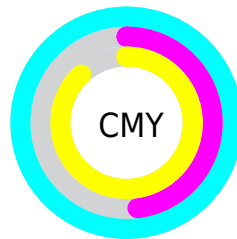
- Red (0%)
- Green (52%)
- Blue (12%)



- Red (0%)
- Yellow (42%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 67.427, 139.832 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 48, 67.427, 139.832 by changing the saturation by 10% instead.


 48, 67.427,
139.832


 48, 67.427,
139.832


 100, 67.427,
139.832


 38, 67.427,
139.832

 68, 67.427,
139.832

 28, 67.427,
139.832

 78, 67.427,
139.832

 18, 67.427,
139.832

 88, 67.427,
139.832

 8, 67.427, 139.832

 98, 67.427,
139.832

 0, 67.427, 139.832

 48, 67.427,

 48, 67.427,

139.832

139.832

■ 48, 67.388,
139.795

■ 48, 63.369,
141.348

■ 48, 58.514,
143.021

■ 49, 52.782,
144.602

■ 49, 46.303,
146.042

■ 50, 39.225,
147.325

■ 51, 31.705,
148.452

■ 52, 23.897,
149.433

■ 53, 15.936,
150.288

Harmonies

Complementary

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



48, 67.427, 139.832



29, 59.825, 339.735

Rectangle

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



48, 67.427, 139.832



48, 67.427, 189.832



48, 67.427, 319.832



48, 67.427, 9.832

Sweetspot

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



48, 67.388, 139.795



66, 29.722, 149.370



51, 61.406, 115.296



34, 20.165, 149.032



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 67.388, 139.795



62, 82.788, 139.363



49, 42.182, 163.844



27, 4.470, 151.103



47, 66.340, 139.834



1, 1.067, 151.657

Inverse Universe

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



29, 59.825, 339.735



39, 72.483, 340.067



27, 53.932, 20.874



26, 4.486, 332.183



29, 58.966, 339.706



0, 1.067, 331.651

Previews

White Background



This preview shows how the CIELCh color 48, 67.427, 139.832 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 48, 67.427, 139.832 looks on a black 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

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

CIELCh 48, 67.427, 139.832

Background



This preview shows how black text looks on a background with the CIELCh color 48, 67.427, 139.832.



This preview shows how white text looks on a background with the CIELCh color 48, 67.427, 139.832.

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

48, 67.427, 139.832

Protanopia

48, 47.342, 95.454

Deuteranopia

48, 41.748, 81.365



Tritanopia
48, 22.073, 212.958

Trichromacy



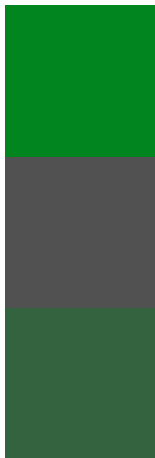
Original Color
48, 67.427, 139.832

Protanomaly
46, 52.467, 123.781

Deuteranomaly
46, 45.564, 120.073

Tritanomaly
47, 35.698, 164.966

Monochromacy



Original Color
48, 67.427, 139.832

Achromatopsia
34, 0.005, 296.813

Achromatomaly
38, 30.016, 147.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 67.427, 139.832 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, 133, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 31)  
}
```

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, 133, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 67.427, 139.832 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, 133, 31) }
```

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

```
.border{ border-color:rgb(0, 133, 31) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 67.427, 139.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 31) }
```

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

```
.background{ background-color: rgb(0, 133,  
31) }
```

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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