

Converting Colors

CIELCh(54, 69.534, 142.388)

Have a look what the booklet for
CIELCh(54, 69.534, 142.388)
contains.

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Color

CIELCh(54, 69.440, 142.351)

Conversions

Conversions Part 1

Format	Color
Hex	009631
RGB	0, 150, 49
RGB Percent	0%, 59%, 19%
CMY	1.0000, 0.4124, 0.8085
CMYK	1.00, 0.00, 0.67, 0.41
HSL	140°, 100%, 29%
HSV	140°, 100%, 59%
XYZ	11.4227, 21.9746, 6.5272
YIQ	93.6360, -56.9790, -63.2110

Conversions

Conversions Part 2

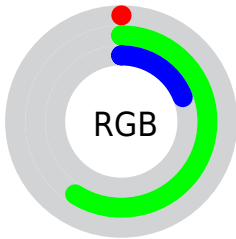
Format	Color
RYB	0, 113, 150
Decimal	38449
CIELab	54.00, -54.98, 42.42
CIELCh	54, 69.440, 142.351
Yxy	21.9746, 0.2861, 0.5504
Android (android.graphics.Color)	4278228529 (0xFF009631)
YUV	93.6360, -22.0055, -82.1188
Hunter-Lab	46.8770, -38.5392, 24.5584

Details

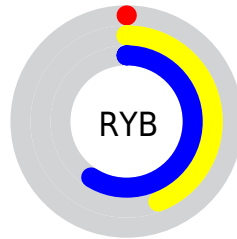
The CIELCh color **54, 69.440, 142.351** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 61.292, 346.439**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 69.104, 142.372**, and **35, 59.004, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **54, 69.416, 142.330**, and if you desaturate by 10%, it is **54, 65.048, 144.202**.

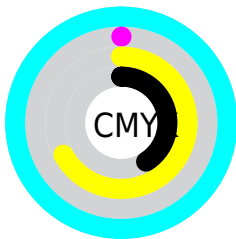
Distribution



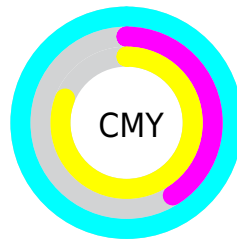
- Red (0%)
- Green (59%)
- Blue (19%)



- Red (0%)
- Yellow (44%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 69.440, 142.351 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 54, 69.440, 142.351 by changing the saturation by 10% instead.


 54, 69.440,
142.351


 54, 69.440,
142.351


 100, 69.440,
142.351


 44, 69.440,
142.351


 74, 69.440,
142.351

 34, 69.440,
142.351

 84, 69.440,
142.351

 24, 69.440,
142.351

 94, 69.440,
142.351

 14, 69.440,
142.351

 4, 69.440, 142.351

 0, 69.440, 142.351

■ 54, 69.440,
142.351

■ 54, 69.440,
142.351

■ 54, 69.416,
142.330

■ 54, 65.048,
144.202

■ 55, 59.956,
146.082

■ 55, 54.059,
147.808

■ 56, 47.441,
149.354

■ 56, 40.223,
150.719

■ 57, 32.547,
151.914

■ 58, 24.559,
152.958

■ 59, 16.396,

153.873

■ 61, 8.176, 154.687

Harmonies

Complementary

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



54, 69.440, 142.351



33, 61.292, 346.439

Rectangle

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



54, 69.440, 142.351



54, 69.440, 192.351



54, 69.440, 322.351



54, 69.440, 12.351

Sweetspot

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



54, 69.416, 142.330



74, 30.284, 152.900



57, 68.989, 120.432



38, 20.564, 152.517



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



54, 69.416, 142.330



69, 84.794, 141.894



55, 40.786, 172.881



31, 4.568, 154.750



50, 65.023, 142.499



2, 3.986, 155.359

Inverse Universe

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



33, 61.292, 346.439



43, 73.848, 346.927



31, 62.644, 29.711



29, 4.594, 335.944



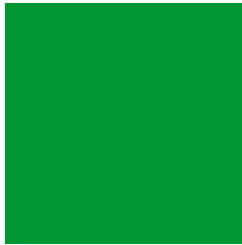
30, 57.718, 346.256



1, 3.987, 335.352

Previews

White Background



This preview shows how the CIELCh color 54, 69.440, 142.351 looks on a white 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

Black Background



This preview shows how the CIELCh color 54, 69.440, 142.351 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 54, 69.440, 142.351

Background



This preview shows how black text looks on a background with the CIELCh color 54, 69.440, 142.351.



This preview shows how white text looks on a background with the CIELCh color 54, 69.440, 142.351.

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


54, 69.440, 142.351

Protanopia

54, 46.891, 95.633

Deuteranopia

54, 40.461, 79.872



Tritanopia
54, 24.487, 212.442

Trichromacy



Original Color

54, 69.440, 142.351



Protanomaly

52, 53.008, 125.954



Deuteranomaly

51, 44.518, 122.912



Tritanomaly

54, 37.633, 168.461

Monochromacy



Original Color

54, 69.440, 142.351



Achromatopsia

40, 0.006, 296.813



Achromatomaly

44, 30.436, 151.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 69.440, 142.351 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, 150, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 49)  
}
```

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, 150, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 69.440, 142.351 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, 150, 49) }
```

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

```
.border{ border-color:rgb(0, 150, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 69.440, 142.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 49) }
```

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

```
.background{ background-color: rgb(0, 150,  
49) }
```

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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