

Converting Colors

CIELCh(54, 62.515, 149.390)

Have a look what the booklet for
CIELCh(54, 62.515, 149.390)
contains.

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Color

CIELCh(54, 61.061, 148.249)

Conversions

Conversions Part 1

Format	Color
Hex	009546
RGB	0, 149, 70
RGB Percent	0%, 58%, 27%
CMY	1.0000, 0.4150, 0.7245
CMYK	1.00, 0.00, 0.53, 0.42
HSL	148°, 100%, 29%
HSV	148°, 100%, 58%
XYZ	11.8526, 21.9746, 9.4525
YIQ	95.4430, -63.4450, -56.1570

Conversions

Conversions Part 2

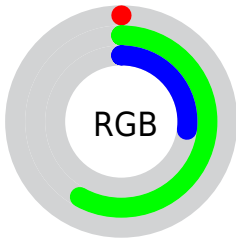
Format	Color
RYB	0, 101, 149
Decimal	38214
CIELab	54.00, -51.92, 32.13
CIELCh	54, 61.061, 148.249
Yxy	21.9746, 0.2739, 0.5077
Android (android.graphics.Color)	4278228294 (0xFF009546)
YUV	95.4430, -12.5434, -83.7035
Hunter-Lab	46.8770, -36.9021, 20.8584

Details

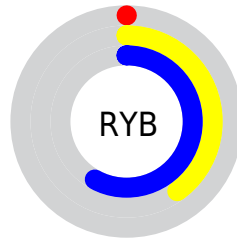
The CIELCh color **54, 61.061, 148.249** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **32, 57.268, 358.545**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 60.874, 148.196**, and **35, 53.196, 140.363** is the 20% darker color. If you saturate the color by 10%, you get **54, 60.940, 148.149**, and if you desaturate by 10%, it is **54, 57.039, 150.225**.

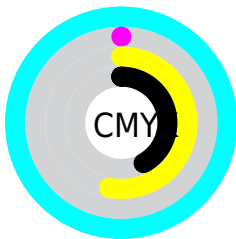
Distribution



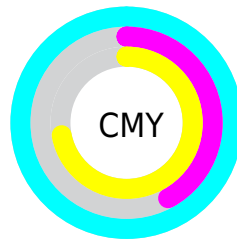
- Red (0%)
- Green (58%)
- Blue (27%)



- Red (0%)
- Yellow (40%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 61.061, 148.249 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, 61.061, 148.249 by changing the saturation by 10% instead.


 54, 61.061,
148.249

 54, 61.061,
148.249


 100, 61.061,
148.249


 44, 61.061,
148.249


 74, 61.061,
148.249

 34, 61.061,
148.249

 84, 61.061,
148.249

 24, 61.061,
148.249

 94, 61.061,
148.249

 14, 61.061,
148.249

 4, 61.061, 148.249

 0, 61.061, 148.249

■ 54, 61.061,
148.249

■ 54, 61.061,
148.249

■ 54, 60.940,
148.149

■ 54, 57.039,
150.225

■ 55, 52.619,
152.237

■ 55, 47.535,
154.052

■ 56, 41.822,
155.667

■ 56, 35.563,
157.094

■ 57, 28.866,
158.353

■ 58, 21.850,
159.468

■ 59, 14.632,

160.462

■ 60, 7.318, 161.366

Harmonies

Complementary

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



54, 61.061, 148.249



32, 57.268, 358.545

Rectangle

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



54, 61.061, 148.249



54, 61.061, 198.249



54, 61.061, 328.249



54, 61.061, 18.249

Sweetspot

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



54, 60.940, 148.149



74, 27.037, 159.404



55, 72.157, 126.620



38, 18.337, 158.993



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, 60.940, 148.149



69, 74.720, 147.650



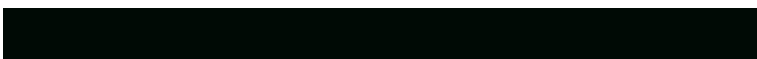
56, 34.480, 191.479



31, 4.104, 161.437



50, 57.277, 148.327



2, 3.591, 162.125

Inverse Universe

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



32, 57.268, 358.545



42, 69.321, 359.412



30, 68.303, 38.065



29, 4.149, 342.799



29, 54.075, 358.241



1, 3.592, 342.116

Previews

White Background



This preview shows how the CIE LCh color 54, 61.061, 148.249 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 CIE LCh color 54, 61.061, 148.249 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, 61.061, 148.249

Background



This preview shows how black text looks on a background with the CIELCh color 54, 61.061, 148.249.



This preview shows how white text looks on a background with the CIELCh color 54, 61.061, 148.249.

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, 60.957, 148.096

Protanopia

54, 37.322, 96.241

Deuteranopia

54, 30.678, 77.139



Tritanopia
54, 25.085, 213.428

Trichromacy



Original Color
54, 60.957, 148.096



Protanomaly
52, 43.645, 131.940



Deuteranomaly
52, 35.849, 130.064



Tritanomaly
53, 34.703, 175.551

Monochromacy



Original Color
54, 60.957, 148.096



Achromatopsia
41, 0.006, 296.813



Achromatomaly
44, 26.933, 158.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 61.061, 148.249 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, 149, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 70)  
}
```

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, 149, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 61.061, 148.249 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, 149, 70) }
```

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

```
.border{ border-color:rgb(0, 149, 70) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 149, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 61.061, 148.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 70) }
```

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

```
.background{ background-color: rgb(0, 149,  
70) }
```

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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