

Converting Colors

CIELCh(54, 69.087, 142.576)

Have a look what the booklet for
CIELCh(54, 69.087, 142.576)
contains.

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Color

CIELCh(54, 69.087, 142.576)

Conversions

Conversions Part 1

Format	Color
Hex	009632
RGB	0, 150, 50
RGB Percent	0%, 59%, 20%
CMY	1.0000, 0.4125, 0.8046
CMYK	1.00, 0.00, 0.67, 0.41
HSL	140°, 100%, 29%
HSV	140°, 100%, 59%
XYZ	11.4385, 21.9746, 6.6355
YIQ	93.7500, -57.3000, -62.9000

Conversions

Conversions Part 2

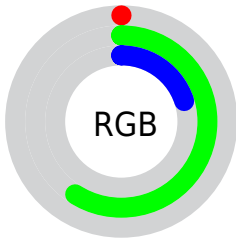
Format	Color
RYB	0, 113, 150
Decimal	38450
CIELab	54.00, -54.87, 41.98
CIELCh	54, 69.087, 142.576
Yxy	21.9746, 0.2856, 0.5487
Android (android.graphics.Color)	4278228530 (0xFF009632)
YUV	93.7500, -21.5688, -82.2188
Hunter-Lab	46.8770, -38.4788, 24.4213

Details

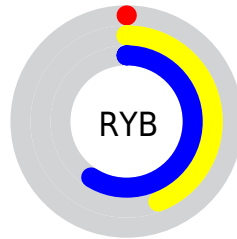
The CIELCh color **54, 69.087, 142.576** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 61.047, 346.937**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 68.709, 142.611**, and **35, 59.004, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **54, 69.059, 142.552**, and if you desaturate by 10%, it is **54, 64.699, 144.438**.

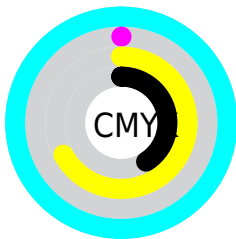
Distribution



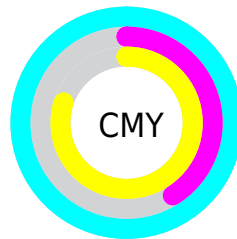
- Red (0%)
- Green (59%)
- Blue (20%)



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



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





- Cyan (100%)
- Magenta (41%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 69.087, 142.576 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, 69.087, 142.576 by changing the saturation by 10% instead.


 54, 69.087,
142.576


 54, 69.087,
142.576


 100, 69.087,
142.576

 44, 69.087,
142.576


 74, 69.087,
142.576

 34, 69.087,
142.576

 84, 69.087,
142.576

 24, 69.087,
142.576

 94, 69.087,
142.576

 14, 69.087,
142.576

 4, 69.087, 142.576

 0, 69.087, 142.576

■ 54, 69.087,
142.576

■ 54, 69.087,
142.576

■ 54, 69.059,
142.552

■ 54, 64.699,
144.438

■ 55, 59.629,
146.328

■ 55, 53.763,
148.060

■ 56, 47.183,
149.611

■ 56, 40.006,
150.979

■ 57, 32.374,
152.178

■ 58, 24.431,
153.225

■ 59, 16.312,

154.143

■ 61, 8.135, 154.961

Harmonies

Complementary

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



54, 69.087, 142.576



33, 61.047, 346.937

Rectangle

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



54, 69.087, 142.576



54, 69.087, 192.576



54, 69.087, 322.576



54, 69.087, 12.576

Sweetspot

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



54, 69.059, 142.552



74, 30.131, 153.167



57, 68.981, 120.432



38, 20.459, 152.782



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, 69.059, 142.552



69, 84.374, 142.112



55, 40.781, 172.881



31, 4.546, 155.024



50, 64.696, 142.722



2, 3.967, 155.637

Inverse Universe

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



33, 61.047, 346.937



43, 73.562, 347.441



31, 62.636, 29.710



29, 4.572, 336.226



30, 57.495, 346.749



1, 3.968, 335.630

Previews

White Background



This preview shows how the CIELCh color 54, 69.087, 142.576 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, 69.087, 142.576 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, 69.087, 142.576

Background



This preview shows how black text looks on a background with the CIELCh color 54, 69.087, 142.576.



This preview shows how white text looks on a background with the CIELCh color 54, 69.087, 142.576.

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, 69.087, 142.576

Protanopia
54, 46.463, 95.612

Deuteranopia
54, 39.988, 79.646



Tritanopia
54, 24.487, 212.442

Trichromacy



Original Color
54, 69.087, 142.576



Protanomaly
52, 52.608, 126.155



Deuteranomaly
51, 44.058, 123.142



Tritanomaly
54, 37.633, 168.461

Monochromacy



Original Color
54, 69.087, 142.576



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, 69.087, 142.576 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 69.087, 142.576 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, 50) }
```

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

```
.border{ border-color:rgb(0, 150, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 69.087, 142.576 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, 50) }
```

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

```
.background{ background-color: rgb(0, 150,  
50) }
```

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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