

Converting Colors

CIELCh(54, 49.550, 150.402)

Have a look what the booklet for
CIELCh(54, 49.550, 150.402)
contains.

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Color

CIELCh(54, 49.727, 150.302)

Conversions

Conversions Part 1

Format	Color
Hex	2E9355
RGB	46, 147, 85
RGB Percent	18%, 58%, 33%
CMY	0.8177, 0.4252, 0.6682
CMYK	0.68, 0.00, 0.42, 0.43
HSL	143°, 52%, 38%
HSV	143°, 68%, 57%
XYZ	13.1388, 21.9746, 12.0617
YIQ	109.7330, -40.2940, -40.6940

Conversions

Conversions Part 2

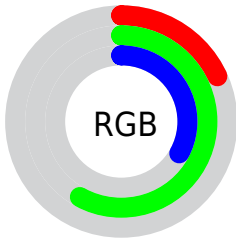
Format	Color
RYB	46, 119, 147
Decimal	3052373
CIELab	54.00, -43.20, 24.64
CIElCh	54, 49.727, 150.302
Yxy	21.9746, 0.2785, 0.4658
Android (android.graphics.Color)	4281242453 (0xFF2E9355)
YUV	109.7330, -12.1934, -55.8938
Hunter-Lab	46.8770, -32.0045, 17.5583

Details

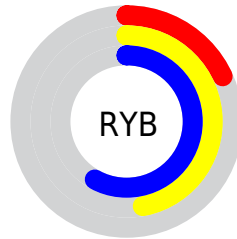
The CIELCh color $54, 49.727, 150.302$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $36, 49.981, 344.371$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $74, 49.997, 150.185$, and $35, 45.978, 146.217$ is the 20% darker color. If you saturate the color by 10%, you get $54, 55.379, 148.568$, and if you desaturate by 10%, it is $55, 43.430, 151.844$.

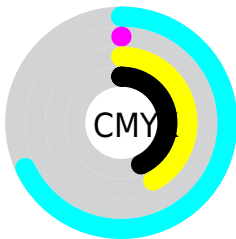
Distribution



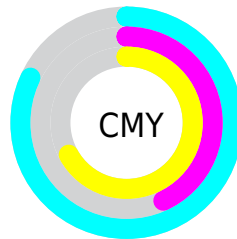
- Red (18%)
- Green (58%)
- Blue (33%)



- Red (18%)
- Yellow (47%)
- Blue (58%)



- Cyan (68%)
- Magenta (0%)
- Yellow (42%)
- Black (43%)



- Cyan (82%)
- Magenta (43%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 49.727, 150.302 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, 49.727, 150.302 by changing the saturation by 10% instead.


 54, 49.727,
150.302


 54, 49.727,
150.302


 100, 49.727,
150.302


 44, 49.727,
150.302


 74, 49.727,
150.302

 34, 49.727,
150.302

 84, 49.727,
150.302

 24, 49.727,
150.302

 94, 49.727,
150.302

 14, 49.727,
150.302

 4, 49.727, 150.302

 0, 49.727, 150.302

■ 54, 49.727,
150.302

■ 54, 49.727,
150.302

■ 54, 55.379,
148.568

■ 55, 43.430,
151.844

■ 53, 60.316,
146.654

■ 55, 36.593,
153.202

■ 53, 64.592,
144.659

■ 56, 29.344,
154.393

■ 53, 65.292,
144.345

■ 57, 21.814,
155.439

■ 58, 14.126,
156.363

■ 60, 6.387, 157.198

■ 61, 1.316, 337.653

■ 63, 8.917, 338.486

■ 64, 16.365,
339.083

Harmonies

Complementary

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



54, 49.727, 150.302



36, 49.981, 344.371

Rectangle

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



54, 49.727, 150.302



54, 49.727, 200.302



54, 49.727, 330.302



54, 49.727, 20.302

Sweetspot

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



54, 49.728, 150.302



74, 19.188, 156.175



56, 54.904, 121.260



39, 13.192, 155.944



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, 49.728, 150.302



68, 70.761, 147.552



55, 31.772, 182.368



31, 4.385, 157.123



50, 62.207, 144.478



2, 3.830, 157.761

Inverse Universe

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



36, 49.981, 344.371



44, 68.232, 346.990



35, 45.602, 19.846



29, 4.417, 338.378



30, 56.009, 350.529



1, 3.831, 337.753

Previews

White Background



This preview shows how the CIE LCh color 54, 49.727, 150.302 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, 49.727, 150.302 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, 49.727, 150.302

Background



This preview shows how black text looks on a background with the CIELCh color 54, 49.727, 150.302.



This preview shows how white text looks on a background with the CIELCh color 54, 49.727, 150.302.

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, 49.874, 150.447

Protanopia

54, 28.888, 95.735

Deuteranopia

54, 23.489, 72.802



Tritanopia
54, 22.606, 213.905

Trichromacy



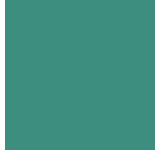
Original Color
54, 49.874, 150.447



Protanomaly
53, 33.422, 128.187



Deuteranomaly
53, 26.189, 124.219



Tritanomaly
54, 28.782, 177.831

Monochromacy



Original Color
54, 49.874, 150.447



Achromatopsia
46, 0.006, 296.813



Achromatomaly
48, 19.425, 155.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 49.727, 150.302 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(46, 147, 85)` looks like.

```
.text, #text, p{  
    color:rgb(46, 147, 85)  
}
```

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(46, 147, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 147, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 49.727, 150.302 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(46, 147, 85) }
```

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

```
.border{ border-color:rgb(46, 147, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 147, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 147, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 147, 85);  
box-shadow:4px 4px 4px 4px rgb(46, 147,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 49.727, 150.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 147, 85) }
```

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

```
.background{ background-color: rgb(46, 147,  
85) }
```

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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