

Converting Colors

CIELCh(49, 53.642, 140.012)

Have a look what the booklet for
CIELCh(49, 53.642, 140.012)
contains.

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Color

CIELCh(49, 53.554, 140.009)

Conversions

Conversions Part 1

Format	Color
Hex	348436
RGB	52, 132, 54
RGB Percent	20%, 52%, 21%
CMY	0.7947, 0.4811, 0.7871
CMYK	0.60, 0.00, 0.59, 0.48
HSL	121°, 43%, 36%
HSV	121°, 60%, 52%
XYZ	10.3991, 17.5941, 6.3727
YIQ	99.1880, -22.6420, -41.2180

Conversions

Conversions Part 2

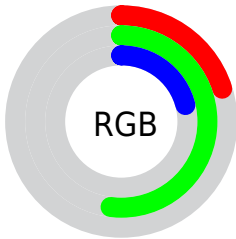
Format	Color
RYB	52, 130, 132
Decimal	3441718
CIELab	49.00, -41.03, 34.42
CIElCh	49, 53.554, 140.009
Yxy	17.5941, 0.3026, 0.5120
Android (android.graphics.Color)	4281631798 (0xFF348436)
YUV	99.1880, -22.2777, -41.3839
Hunter-Lab	41.9453, -29.1502, 20.3539

Details

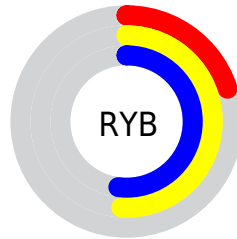
The CIELCh color **49, 53.554, 140.009** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **36, 52.967, 328.119**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 53.739, 139.945**, and **29, 50.830, 137.031** is the 20% darker color. If you saturate the color by 10%, you get **48, 60.543, 138.864**, and if you desaturate by 10%, it is **50, 45.620, 141.119**.

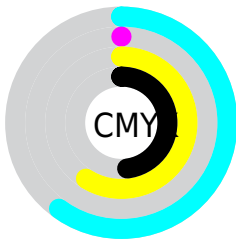
Distribution



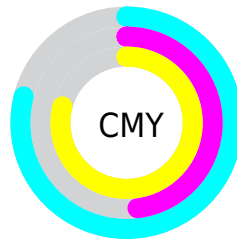
- Red (20%)
- Green (52%)
- Blue (21%)



- Red (20%)
- Yellow (51%)
- Blue (52%)



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (48%)





- Cyan (79%)
- Magenta (48%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 53.554, 140.009 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 49, 53.554, 140.009 by changing the saturation by 10% instead.


 49, 53.554,
140.009


 49, 53.554,
140.009


 100, 53.554,
140.009

 39, 53.554,
140.009

 69, 53.554,
140.009


 29, 53.554,
140.009

 79, 53.554,
140.009

 19, 53.554,
140.009

 89, 53.554,
140.009

 9, 53.554, 140.009

 99, 53.554,
140.009

 0, 53.554, 140.009

 49, 53.554,

 49, 53.554,

140.009

140.009

■ 48, 60.543,
138.864

■ 50, 45.620,
141.119

■ 48, 66.264,
137.778

■ 50, 37.031,
142.137

■ 48, 70.408,
136.878

■ 51, 28.034,
143.042

■ 48, 73.066,
136.310

■ 53, 18.830,
143.831

■ 54, 9.577, 144.515

■ 55, 0.396, 145.562

■ 57, 8.627, 325.539

■ 58, 17.437,
325.969

■ 60, 25.995,

Harmonies

Complementary

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



49, 53.554, 140.009



36, 52.967, 328.119

Rectangle

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



49, 53.554, 140.009



49, 53.554, 190.009



49, 53.554, 320.009



49, 53.554, 10.009

Sweetspot

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



49, 53.554, 140.009



67, 20.421, 143.978



54, 43.519, 105.574



35, 14.310, 143.794



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 53.554, 140.009



62, 76.080, 138.397



50, 36.693, 158.019



27, 5.177, 144.599



47, 72.151, 136.316



1, 1.235, 145.096

Inverse Universe

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



36, 52.967, 328.119



43, 74.326, 328.623



34, 39.043, 351.456



26, 5.186, 325.558



30, 68.841, 329.192



0, 1.235, 325.092

Previews

White Background



This preview shows how the CIELCh color 49, 53.554, 140.009 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 49, 53.554, 140.009 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 49, 53.554, 140.009

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.554, 140.009.



This preview shows how white text looks on a background with the CIELCh color 49, 53.554, 140.009.

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
49, 53.554, 140.009

Protanopia
49, 38.208, 95.708

Deuteranopia
49, 32.567, 78.365



Tritanopia
49, 18.159, 216.786

Trichromacy



Original Color
49, 53.554, 140.009

Protanomaly
48, 40.691, 118.574

Deuteranomaly
48, 33.750, 112.686

Tritanomaly
49, 26.337, 167.233

Monochromacy



Original Color
49, 53.554, 140.009

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 21.158, 142.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 53.554, 140.009 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(52, 132, 54)` looks like.

```
.text, #text, p{  
    color:rgb(52, 132, 54)  
}
```

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(52, 132, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 132, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.554, 140.009 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(52, 132, 54) }
```

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

```
.border{ border-color:rgb(52, 132, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 132, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 132, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 132, 54);  
box-shadow:4px 4px 4px 4px rgb(52, 132,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.554, 140.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 132, 54) }
```

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

```
.background{ background-color: rgb(52, 132,  
54) }
```

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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