

Converting Colors

CIELCh(49, 54.925, 139.364)

Have a look what the booklet for
CIELCh(49, 54.925, 139.364)
contains.

CIELCh(49, 54.536, 139.616)	3
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Color

CIELCh(49, 54.536, 139.616)

Conversions

Conversions Part 1

Format	Color
Hex	348434
RGB	52, 132, 52
RGB Percent	20%, 52%, 20%
CMY	0.7980, 0.4806, 0.7944
CMYK	0.61, 0.00, 0.60, 0.48
HSL	121°, 44%, 36%
HSV	121°, 61%, 52%
XYZ	10.3326, 17.5941, 6.1496
YIQ	98.9600, -22.0000, -41.8400

Conversions

Conversions Part 2

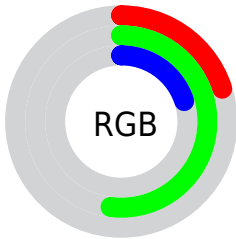
Format	Color
RYB	52, 132, 132
Decimal	3441716
CIELab	49.00, -41.54, 35.33
CIELCh	49, 54.536, 139.616
Yxy	17.5941, 0.3032, 0.5163
Android (android.graphics.Color)	4281631796 (0xFF348434)
YUV	98.9600, -23.1513, -41.1839
Hunter-Lab	41.9453, -29.4333, 20.6692

Details

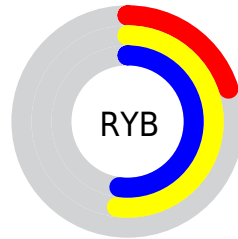
The CIELCh color $49, 54.536, 139.616$ is a dark color, and the websafe version is hex 339933 . A complement of this color would be $36, 53.952, 327.746$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 54.597, 139.350$, and $29, 51.771, 136.274$ is the 20% darker color. If you saturate the color by 10%, you get $49, 61.462, 138.500$, and if you desaturate by 10%, it is $50, 46.609, 140.715$.

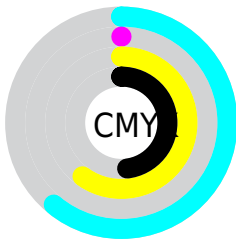
Distribution



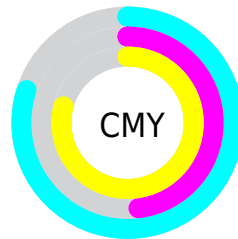
- Red (20%)
- Green (52%)
- Blue (20%)



- Red (20%)
- Yellow (52%)
- Blue (28%)



- Cyan (61%)
- Magenta (0%)
- Yellow (60%)
- Black (48%)



- Cyan (80%)
- Magenta (48%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 54.536, 139.616 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, 54.536, 139.616 by changing the saturation by 10% instead.


 49, 54.536,
139.616


 49, 54.536,
139.616


 100, 54.536,
139.616

 39, 54.536,
139.616

 69, 54.536,
139.616


 29, 54.536,
139.616

 79, 54.536,
139.616

 19, 54.536,
139.616

 89, 54.536,
139.616

 9, 54.536, 139.616

 99, 54.536,
139.616

 0, 54.536, 139.616

 49, 54.536,

 49, 54.536,

139.616

139.616

■ 49, 61.462,
138.500

■ 50, 46.609,
140.715

■ 48, 67.046,
137.471

■ 50, 37.987,
141.732

■ 48, 70.975,
136.658

■ 51, 28.928,
142.641

■ 48, 73.403,
136.153

■ 53, 19.645,
143.434

■ 54, 10.301,
144.122

■ 55, 1.022, 144.872

■ 57, 8.103, 325.153

■ 58, 17.013,
325.586

■ 60, 25.672,
325.947

Harmonies

Complementary

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



49, 54.536, 139.616



36, 53.952, 327.746

Rectangle

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



49, 54.536, 139.616



49, 54.536, 189.616



49, 54.536, 319.616



49, 54.536, 9.616

Sweetspot

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



49, 54.536, 139.616



68, 20.853, 143.629



54, 43.969, 104.711



35, 14.438, 143.447



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, 54.536, 139.616



62, 77.497, 138.116



50, 37.631, 157.050



27, 5.223, 144.249



47, 72.432, 136.156



1, 1.246, 144.745

Inverse Universe

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



36, 53.952, 327.746



44, 75.861, 328.195



34, 39.752, 350.486



26, 5.232, 325.204



30, 69.524, 328.673



0, 1.246, 324.740

Previews

White Background



This preview shows how the CIELCh color 49, 54.536, 139.616 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, 54.536, 139.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

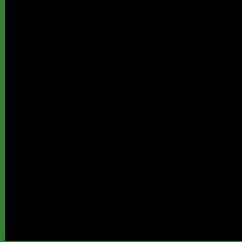
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 54.536, 139.616

Background



This preview shows how black text looks on a background with the CIELCh color 49, 54.536, 139.616.



This preview shows how white text looks on a background with the CIELCh color 49, 54.536, 139.616.

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, 54.372, 139.405

Protanopia

49, 39.180, 95.788

Deuteranopia

49, 33.564, 79.014



Tritanopia
49, 18.411, 216.493

Trichromacy



Original Color
49, 54.372, 139.405

Protanomaly
48, 41.635, 118.169

Deuteranomaly
48, 34.785, 112.356

Tritanomaly
49, 26.945, 166.469

Monochromacy



Original Color
49, 54.372, 139.405

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 21.191, 142.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 54.536, 139.616 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, 52)` looks like.

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

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, 52) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 49, 54.536, 139.616 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, 52) }
```

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

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

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, 52) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 49, 54.536, 139.616 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, 52) }
```

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

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

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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