

Converting Colors

CIELCh(49, 56.752, 139.086)

Have a look what the booklet for
CIELCh(49, 56.752, 139.086)
contains.

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Color

CIELCh(49, 56.603, 139.119)

Conversions

Conversions Part 1

Format	Color
Hex	318531
RGB	49, 133, 49
RGB Percent	19%, 52%, 19%
CMY	0.8086, 0.4791, 0.8085
CMYK	0.63, 0.00, 0.63, 0.48
HSL	120°, 46%, 36%
HSV	120°, 63%, 52%
XYZ	10.1705, 17.5941, 5.7471
YIQ	98.3080, -23.1000, -43.9320

Conversions

Conversions Part 2

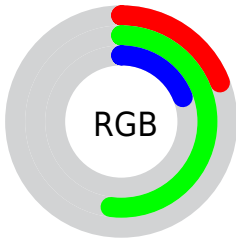
Format	Color
R_{YB}	49, 133, 133
Decimal	3245361
CIE _{Lab}	49.00, -42.80, 37.05
CIE _{LCh}	49, 56.603, 139.119
Yxy	17.5941, 0.3035, 0.5250
Android (android.graphics.Color)	4281435441 (0xFF318531)
YUV	98.3080, -24.3088, -43.2431
Hunter-Lab	41.9453, -30.1233, 21.2381

Details

The CIELCh color **49, 56.603, 139.119** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **36, 55.961, 327.495**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 56.405, 139.279**, and **29, 52.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 63.277, 138.040**, and if you desaturate by 10%, it is **50, 48.821, 140.213**.

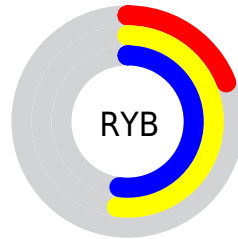
Distribution



Red (19%)

Green (52%)

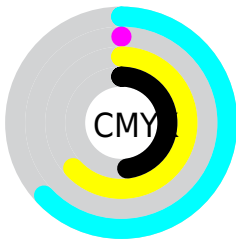
Blue (19%)



Red (19%)

Yellow (52%)

Blue (52%)

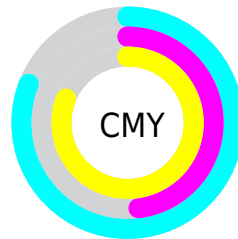


Cyan (63%)

Magenta (0%)

Yellow (63%)

Black (48%)



Cyan (81%)


Magenta (48%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 56.603, 139.119 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, 56.603, 139.119 by changing the saturation by 10% instead.


 49, 56.603,
139.119


 49, 56.603,
139.119


 100, 56.603,
139.119


 39, 56.603,
139.119

 69, 56.603,
139.119


 29, 56.603,
139.119

 79, 56.603,
139.119

 19, 56.603,
139.119

 89, 56.603,
139.119

 9, 56.603, 139.119

 99, 56.603,
139.119

 0, 56.603, 139.119

 49, 56.603,

 49, 56.603,

139.119

■ 49, 63.277,
138.040

■ 48, 68.487,
137.091

■ 48, 71.941,
136.406

■ 48, 73.787,
136.022

139.119

■ 50, 48.821,
140.213

■ 50, 40.258,
141.244

■ 51, 31.194,
142.172

■ 52, 21.856,
142.988

■ 54, 12.424,
143.695

■ 55, 3.032, 144.342

■ 56, 6.220, 324.757

■ 58, 15.267,
325.208

■ 60, 24.065,
325.580

Harmonies

Complementary

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



49, 56.603, 139.119



36, 55.961, 327.495

Rectangle

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



49, 56.603, 139.119



49, 56.603, 189.119



49, 56.603, 319.119



49, 56.603, 9.119

Sweetspot

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



49, 56.603, 139.120



68, 22.180, 143.271



54, 45.366, 104.552



35, 15.207, 143.091



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, 56.603, 139.120



62, 79.994, 137.591



50, 38.833, 156.717



27, 5.262, 143.962



47, 72.670, 136.022



1, 1.255, 144.456

Inverse Universe

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



36, 55.961, 327.495



44, 78.266, 327.918



34, 40.990, 350.866



26, 5.270, 324.914



30, 70.099, 328.251



0, 1.255, 324.451

Previews

White Background



This preview shows how the CIE LCh color 49, 56.603, 139.119 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, 56.603, 139.119 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, 56.603, 139.119

Background



This preview shows how black text looks on a background with the CIELCh color 49, 56.603, 139.119.



This preview shows how white text looks on a background with the CIELCh color 49, 56.603, 139.119.

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, 56.603, 139.119

Protanopia
49, 40.604, 95.888

Deuteranopia
49, 35.289, 79.214



Tritanopia
49, 18.661, 216.210

Trichromacy



Original Color
49, 56.603, 139.119

Protanomaly
48, 43.132, 118.166

Deuteranomaly
48, 36.819, 111.739

Tritanomaly
48, 27.794, 165.996

Monochromacy



Original Color
49, 56.603, 139.119

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 22.649, 142.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 56.603, 139.119 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(49, 133, 49)` looks like.

```
.text, #text, p{  
    color:rgb(49, 133, 49)  
}
```

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(49, 133, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 133, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 56.603, 139.119 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(49, 133, 49) }
```

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

```
.border{ border-color:rgb(49, 133, 49) }
```

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

Here you see how a box with a 4 pixel rgb(49, 133, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 133, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 133, 49);  
box-shadow:4px 4px 4px 4px rgb(49, 133,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 56.603, 139.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 133, 49) }
```

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

```
.background{ background-color: rgb(49, 133,  
49) }
```

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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