

Converting Colors

CIELCh(49, 71.892, 136.580)

Have a look what the booklet for
CIELCh(49, 71.892, 136.580)
contains.

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Color

CIELCh(49, 71.735, 136.546)

Conversions

Conversions Part 1

Format	Color
Hex	10870F
RGB	16, 135, 15
RGB Percent	6%, 53%, 6%
CMY	0.9369, 0.4689, 0.9425
CMYK	0.88, 0.00, 0.89, 0.47
HSL	119°, 80%, 29%
HSV	119°, 89%, 53%
XYZ	9.0239, 17.5941, 3.3599
YIQ	85.7390, -32.4040, -62.5480

Conversions

Conversions Part 2

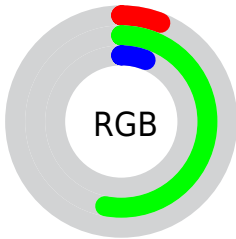
Format	Color
RYB	15, 135, 134
Decimal	1083151
CIELab	49.00, -52.07, 49.34
CIELCh	49, 71.735, 136.546
Yxy	17.5941, 0.3010, 0.5869
Android (android.graphics.Color)	4279273231 (0xFF10870F)
YUV	85.7390, -34.8743, -61.1611
Hunter-Lab	41.9453, -35.0027, 24.6124

Details

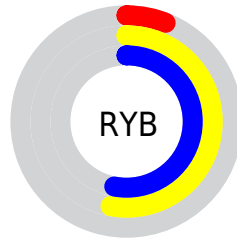
The CIELCh color **49, 71.735, 136.546** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **32, 69.709, 327.694**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 71.332, 136.539**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 74.542, 135.994**, and if you desaturate by 10%, it is **49, 67.465, 137.304**.

Distribution



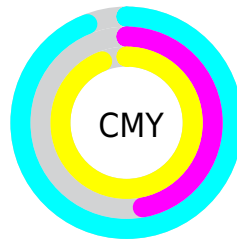
- Red (6%)
- Green (53%)
- Blue (6%)



- Red (6%)
- Yellow (53%)
- Blue (53%)



- Cyan (88%)
- Magenta (0%)
- Yellow (89%)
- Black (47%)



- Cyan (94%)
- Magenta (47%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 71.735, 136.546 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, 71.735, 136.546 by changing the saturation by 10% instead.


 49, 71.735,
136.546


 49, 71.735,
136.546


 100, 71.735,
136.546

 39, 71.735,
136.546

 69, 71.735,
136.546

 29, 71.735,
136.546

 79, 71.735,
136.546

 19, 71.735,
136.546

 89, 71.735,
136.546

 9, 71.735, 136.546

 99, 71.735,
136.546


 0, 71.735, 136.546

 49, 71.735,


 49, 71.735,


136.546


136.546


 49, 74.542,
135.994


 49, 67.465,
137.304


 49, 74.773,
135.945


 50, 61.515,
138.279

 50, 54.233,
139.342

 51, 45.975,
140.389

 52, 37.055,
141.359

 53, 27.734,
142.226

 54, 18.219,
142.983

 55, 8.672, 143.642

Harmonies

Complementary

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



49, 71.735, 136.546



32, 69.709, 327.694

Rectangle

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



49, 71.735, 136.546



49, 71.735, 186.546



49, 71.735, 316.546



49, 71.735, 6.546

Sweetspot

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



49, 71.735, 136.547



67, 31.801, 142.352



54, 57.292, 102.201



35, 21.583, 142.115



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 71.735, 136.547



63, 90.613, 135.964



50, 51.921, 151.161



28, 5.411, 143.642



48, 73.634, 135.944



1, 2.502, 144.132

Inverse Universe

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



32, 69.709, 327.694



41, 87.532, 327.770



30, 51.586, 355.799



27, 5.421, 324.586



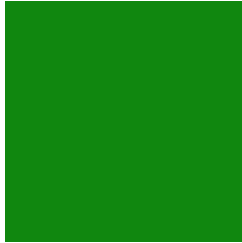
31, 71.149, 327.781



0, 2.502, 324.127

Previews

White Background



This preview shows how the CIELCh color 49, 71.735, 136.546 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 CIELCh color 49, 71.735, 136.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

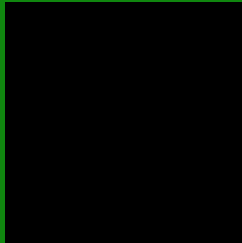
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 71.735, 136.546

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.735, 136.546.



This preview shows how white text looks on a background with the CIELCh color 49, 71.735, 136.546.

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, 71.490, 136.591

Protanopia

49, 53.447, 95.129

Deuteranopia

49, 46.551, 82.534



Tritanopia
49, 21.908, 213.065

Trichromacy



Original Color
49, 71.490, 136.591

Protanomaly
47, 57.273, 118.891

Deuteranomaly
47, 49.872, 115.031

Tritanomaly
48, 37.136, 160.005

Monochromacy



Original Color
49, 71.490, 136.591

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 32.060, 140.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.735, 136.546 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(16, 135, 15)` looks like.

```
.text, #text, p{  
    color:rgb(16, 135, 15)  
}
```

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(16, 135, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 135, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.735, 136.546 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(16, 135, 15) }
```

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

```
.border{ border-color:rgb(16, 135, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 135, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 135, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 135, 15);  
box-shadow:4px 4px 4px 4px rgb(16, 135,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.735, 136.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 135, 15) }
```

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

```
.background{ background-color: rgb(16, 135,  
15) }
```

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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