

Converting Colors

CIELCh(49, 70.816, 131.772)

Have a look what the booklet for
CIELCh(49, 70.816, 131.772)
contains.

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Color

CIELCh(49, 70.499, 131.918)

Conversions

Conversions Part 1

Format	Color
Hex	2E8600
RGB	46, 134, 0
RGB Percent	18%, 53%, 0%
CMY	0.8202, 0.4750, 1.0000
CMYK	0.66, 0.00, 1.00, 0.47
HSL	99°, 100%, 26%
HSV	99°, 100%, 53%
XYZ	9.6275, 17.5941, 2.8830
YIQ	92.4120, -9.4340, -60.3300

Conversions

Conversions Part 2

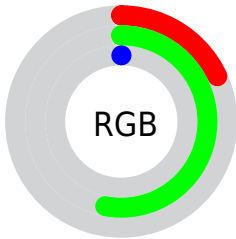
Format	Color
RYB	0, 134, 88
Decimal	3048960
CIELab	49.00, -47.10, 52.46
CIElCh	49, 70.499, 131.918
Yxy	17.5941, 0.3198, 0.5844
Android (android.graphics.Color)	4281239040 (0xFF2E8600)
YUV	92.4120, -45.5591, -40.7033
Hunter-Lab	41.9453, -32.4341, 25.2866

Details

The CIELCh color **49, 70.499, 131.918** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **23, 74.678, 316.327**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 70.575, 131.818**, and **30, 52.973, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 70.468, 131.935**, and if you desaturate by 10%, it is **49, 67.023, 131.467**.

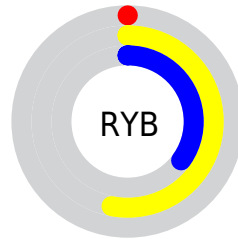
Distribution



Red (18%)

Green (53%)

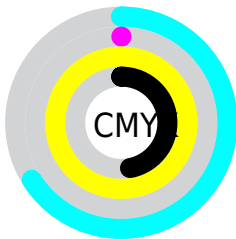
Blue (0%)



Red (0%)

Yellow (53%)

Blue (35%)

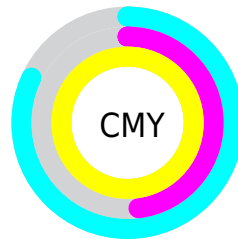


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (82%)


Magenta (48%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 70.499, 131.918 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, 70.499, 131.918 by changing the saturation by 10% instead.


 49, 70.499,
131.918


 49, 70.499,
131.918


 100, 70.499,
131.918


 39, 70.499,
131.918

 69, 70.499,
131.918


 29, 70.499,
131.918

 79, 70.499,
131.918

 19, 70.499,
131.918

 89, 70.499,
131.918

 9, 70.499, 131.918

 99, 70.499,
131.918

 0, 70.499, 131.918

 49, 70.499,

 49, 70.499,

131.918

131.918

■ 49, 70.468,
131.935

■ 49, 67.023,
131.467

■ 50, 62.458,
131.191

■ 50, 56.534,
131.269

■ 51, 49.587,
131.582

■ 51, 41.939,
132.026

■ 52, 33.841,
132.526

■ 53, 25.482,
133.034

■ 54, 16.994,
133.523

Harmonies

Complementary

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



49, 70.499, 131.918



23, 74.678, 316.327

Rectangle

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



49, 70.499, 131.918



49, 70.499, 181.918



49, 70.499, 311.918



49, 70.499, 1.918

Sweetspot

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



49, 70.468, 131.935



67, 31.472, 133.001



41, 51.128, 74.933



34, 21.358, 132.820



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, 70.468, 131.935



62, 85.475, 132.246



48, 70.733, 138.011



28, 4.740, 134.020



48, 68.971, 131.895



1, 1.134, 134.375

Inverse Universe

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



23, 74.678, 316.327



31, 90.383, 316.105



30, 63.881, 335.049



26, 4.782, 314.723



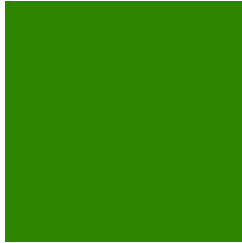
22, 73.113, 316.355



0, 1.134, 314.372

Previews

White Background



This preview shows how the CIELCh color 49, 70.499, 131.918 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, 70.499, 131.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

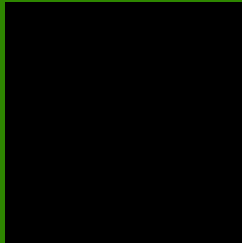
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 70.499, 131.918

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.499, 131.918.



This preview shows how white text looks on a background with the CIELCh color 49, 70.499, 131.918.

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, 70.499, 131.918

Protanopia

49, 54.701, 95.139

Deuteranopia

49, 48.265, 82.441



Tritanopia
49, 18.661, 216.210

Trichromacy



Original Color
49, 70.499, 131.918

Protanomaly
48, 57.717, 113.630

Deuteranomaly
48, 51.463, 108.133

Tritanomaly
48, 35.983, 151.808

Monochromacy



Original Color
49, 70.499, 131.918

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 31.575, 132.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.499, 131.918 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, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 134, 0)  
}
```

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, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 134, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.499, 131.918 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, 134, 0) }
```

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

```
.border{ border-color:rgb(46, 134, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 134, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 134, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.499, 131.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 134, 0) }
```

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

```
.background{ background-color: rgb(46, 134,  
0) }
```

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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