

Converting Colors

CIELCh(49, 71.233, 137.772)

Have a look what the booklet for
CIELCh(49, 71.233, 137.772)
contains.

CIELCh(49, 71.439, 137.712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 71.439, 137.712)

Conversions

Conversions Part 1

Format	Color
Hex	048814
RGB	4, 136, 20
RGB Percent	2%, 53%, 8%
CMY	0.9843, 0.4679, 0.9232
CMYK	0.97, 0.00, 0.86, 0.47
HSL	127°, 94%, 27%
HSV	127°, 97%, 53%
XYZ	8.9323, 17.5941, 3.5680
YIQ	83.3080, -41.4360, -64.0600

Conversions

Conversions Part 2

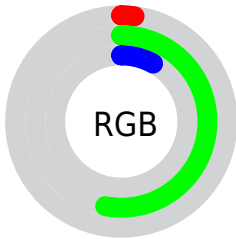
Format	Color
R_{YB}	4, 122, 136
Decimal	296980
CIE _{Lab}	49.00, -52.85, 48.07
CIE _{LCh}	49, 71.439, 137.712
Yxy	17.5941, 0.2968, 0.5846
Android (android.graphics.Color)	4278487060 (0xFF048814)
YUV	83.3080, -31.2108, -69.5531
Hunter-Lab	41.9453, -35.3924, 24.3183

Details

The CIELCh color **49, 71.439, 137.712** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **31, 65.540, 333.279**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 71.732, 137.646**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 72.361, 137.466**, and if you desaturate by 10%, it is **49, 67.592, 138.906**.

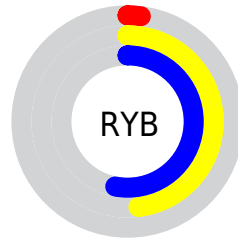
Distribution



Red (2%)

Green (53%)

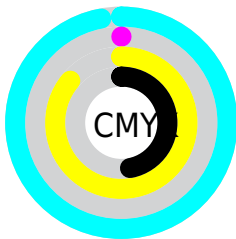
Blue (8%)



Red (2%)

Yellow (48%)

Blue (53%)

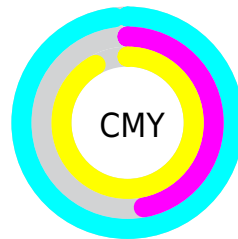


Cyan (97%)

Magenta (0%)

Yellow (86%)

Black (47%)



Cyan (98%)

Magenta (47%)

Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 71.439, 137.712 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, 71.439, 137.712 by changing the saturation by 10% instead.


 49, 71.439,
137.712


 49, 71.439,
137.712


 100, 71.439,
137.712


 39, 71.439,
137.712

 69, 71.439,
137.712


 29, 71.439,
137.712

 79, 71.439,
137.712

 19, 71.439,
137.712

 89, 71.439,
137.712

 9, 71.439, 137.712

 99, 71.439,
137.712

 0, 71.439, 137.712

 49, 71.439,

 49, 71.439,

137.712

137.712

■ 49, 72.361,
137.466

■ 49, 67.592,
138.906

■ 49, 62.434,
140.261

■ 50, 56.121,
141.619

■ 50, 48.882,
142.902

■ 51, 40.950,
144.067

■ 52, 32.537,
145.097

■ 53, 23.834,
145.996

■ 54, 15.002,
146.775

Harmonies

Complementary

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



49, 71.439, 137.712



31, 65.540, 333.279

Rectangle

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



49, 71.439, 137.712



49, 71.439, 187.712



49, 71.439, 317.712



49, 71.439, 7.712

Sweetspot

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



49, 71.439, 137.713



67, 31.580, 145.776



54, 60.468, 109.730



35, 21.815, 145.443



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, 71.439, 137.713



63, 88.138, 137.188



50, 47.549, 157.052



28, 5.004, 147.320



48, 71.115, 137.495



1, 2.314, 147.840

Inverse Universe

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



31, 65.540, 333.279



41, 79.760, 333.566



28, 52.331, 10.549



27, 5.016, 328.327



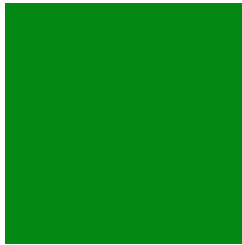
30, 64.974, 333.424



0, 2.314, 327.835

Previews

White Background



This preview shows how the CIELCh color 49, 71.439, 137.712 looks on a white background.

Color Contrast Check

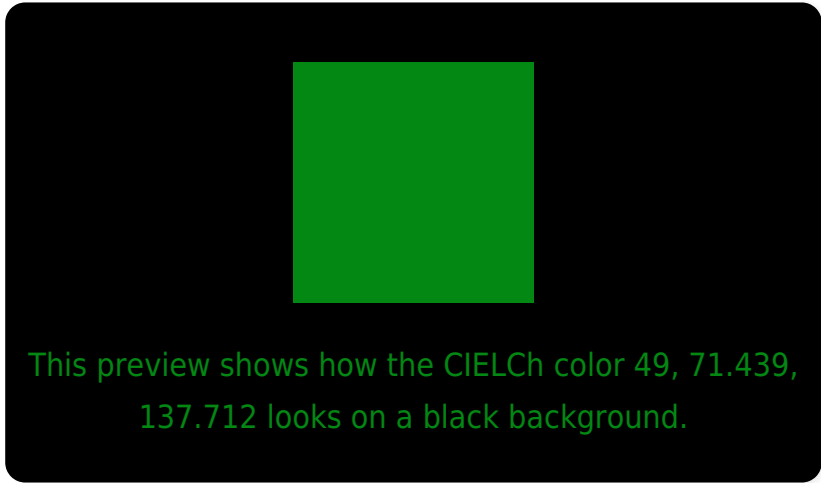
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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, 71.439, 137.712

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.439, 137.712.



This preview shows how white text looks on a background with the CIELCh color 49, 71.439, 137.712.

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, 71.485, 137.757

Protanopia

49, 51.767, 95.106

Deuteranopia

49, 45.349, 82.157



Tritanopia
49, 22.117, 212.894

Trichromacy



Original Color
49, 71.485, 137.757



Protanomaly
47, 56.378, 121.087



Deuteranomaly
47, 49.254, 117.426

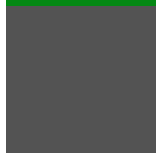


Tritanomaly
48, 37.709, 161.656

Monochromacy



Original Color
49, 71.485, 137.757



Achromatopsia
35, 0.005, 296.813



Achromatomaly
39, 32.301, 144.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.439, 137.712 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(4, 136, 20)` looks like.

```
.text, #text, p{  
    color:rgb(4, 136, 20)  
}
```

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(4, 136, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 136, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.439, 137.712 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(4, 136, 20) }
```

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

```
.border{ border-color:rgb(4, 136, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 136, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 136, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 136, 20);  
box-shadow:4px 4px 4px 4px rgb(4, 136, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.439, 137.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 136, 20) }
```

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

```
.background{ background-color: rgb(4, 136,  
20) }
```

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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