

Converting Colors

CIELCh(49, 71.008, 138.102)

Have a look what the booklet for
CIELCh(49, 71.008, 138.102)
contains.

CIELCh(49, 71.116, 138.117)	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, 71.116, 138.117)

Conversions

Conversions Part 1

Format	Color
Hex	018816
RGB	1, 136, 22
RGB Percent	0%, 53%, 9%
CMY	0.9956, 0.4677, 0.9150
CMYK	0.99, 0.00, 0.84, 0.47
HSL	129°, 98%, 27%
HSV	129°, 99%, 53%
XYZ	8.9208, 17.5941, 3.6677
YIQ	82.6390, -43.8660, -64.0740

Conversions

Conversions Part 2

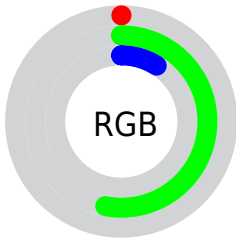
Format	Color
RYB	1, 118, 136
Decimal	100374
CIELab	49.00, -52.95, 47.48
CIELCh	49, 71.116, 138.117
Yxy	17.5941, 0.2956, 0.5829
Android (android.graphics.Color)	4278290454 (0xFF018816)
YUV	82.6390, -29.8950, -71.5974
Hunter-Lab	41.9453, -35.4416, 24.1774

Details

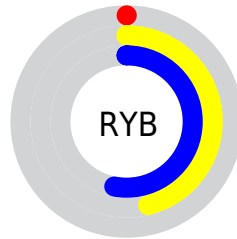
The CIELCh color **49, 71.116, 138.117** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **31, 64.249, 335.137**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 71.514, 138.012**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 71.392, 138.037**, and if you desaturate by 10%, it is **49, 67.299, 139.389**.

Distribution



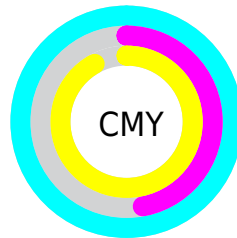
- Red (0%)
- Green (53%)
- Blue (9%)



- Red (0%)
- Yellow (46%)
- Blue (53%)



- Cyan (99%)
- Magenta (0%)
- Yellow (84%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 71.116, 138.117 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, 71.116, 138.117 by changing the saturation by 10% instead.


 49, 71.116,
138.117


 49, 71.116,
138.117


 100, 71.116,
138.117


 39, 71.116,
138.117


 69, 71.116,
138.117


 29, 71.116,
138.117

 79, 71.116,
138.117

 19, 71.116,
138.117

 89, 71.116,
138.117

 9, 71.116, 138.117

 99, 71.116,
138.117

 0, 71.116, 138.117

 49, 71.116,

 49, 71.116,

138.117

138.117

■ 49, 71.392,
138.037

■ 49, 67.299,
139.389

■ 49, 62.330,
140.847

■ 50, 56.269,
142.287

■ 50, 49.313,
143.635

■ 51, 41.666,
144.854

■ 52, 33.527,
145.931

■ 53, 25.076,
146.870

■ 54, 16.471,
147.685

Harmonies

Complementary

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



49, 71.116, 138.117



31, 64.249, 335.137

Rectangle

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



49, 71.116, 138.117



49, 71.116, 188.117



49, 71.116, 318.117



49, 71.116, 8.117

Sweetspot

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



49, 71.116, 138.118



67, 31.872, 146.738



53, 61.326, 111.657



35, 21.888, 146.402



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, 71.116, 138.118



63, 87.031, 137.714



50, 46.316, 158.889



28, 4.884, 148.398



48, 70.140, 138.072



1, 2.259, 148.928

Inverse Universe

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



31, 64.249, 335.137



40, 77.688, 335.374



28, 53.251, 14.572



27, 4.897, 329.426



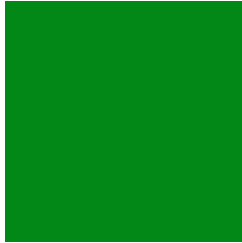
30, 63.323, 335.177



0, 2.259, 328.923

Previews

White Background



This preview shows how the CIELCh color 49, 71.116, 138.117 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, 71.116, 138.117 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, 71.116, 138.117

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.116, 138.117.



This preview shows how white text looks on a background with the CIELCh color 49, 71.116, 138.117.

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, 71.162, 138.162

Protanopia

49, 51.269, 95.097

Deuteranopia

49, 44.937, 82.021



Tritanopia
49, 22.160, 214.486

Trichromacy



Original Color
49, 71.162, 138.162



Protanomaly
47, 56.030, 121.695



Deuteranomaly
46, 48.635, 118.216



Tritanomaly
48, 37.463, 162.471

Monochromacy



Original Color
49, 71.162, 138.162



Achromatopsia
35, 0.005, 296.813



Achromatomaly
39, 32.524, 144.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.116, 138.117 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(1, 136, 22)` looks like.

```
.text, #text, p{  
    color:rgb(1, 136, 22)  
}
```

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(1, 136, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 136, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.116, 138.117 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(1, 136, 22) }
```

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

```
.border{ border-color:rgb(1, 136, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 136, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 136, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 136, 22);  
box-shadow:4px 4px 4px 4px rgb(1, 136, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.116, 138.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 136, 22) }
```

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

```
.background{ background-color: rgb(1, 136,  
22) }
```

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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