

Converting Colors

CIELCh(49, 67.594, 140.444)

Have a look what the booklet for
CIELCh(49, 67.594, 140.444)
contains.

CIELCh(49, 67.572, 140.432)	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, 67.572, 140.432)

Conversions

Conversions Part 1

Format	Color
Hex	008823
RGB	0, 136, 35
RGB Percent	0%, 53%, 14%
CMY	1.0000, 0.4684, 0.8645
CMYK	1.00, 0.00, 0.75, 0.47
HSL	135°, 100%, 27%
HSV	135°, 100%, 53%
XYZ	9.0221, 17.5941, 4.4762
YIQ	83.8220, -48.6350, -60.2430

Conversions

Conversions Part 2

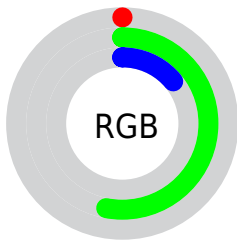
Format	Color
RYB	0, 108, 136
Decimal	34851
CIELab	49.00, -52.09, 43.04
CIELCh	49, 67.572, 140.432
Yxy	17.5941, 0.2902, 0.5659
Android (android.graphics.Color)	4278224931 (0xFF008823)
YUV	83.8220, -24.0692, -73.5119
Hunter-Lab	41.9453, -35.0102, 23.0346

Details

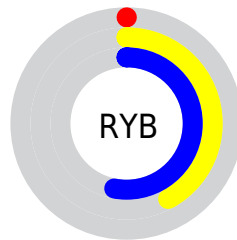
The CIELCh color **49, 67.572, 140.432** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **30, 59.744, 341.263**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 67.817, 140.344**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 67.508, 140.372**, and if you desaturate by 10%, it is **49, 63.400, 142.011**.

Distribution



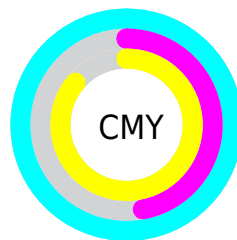
- Red (0%)
- Green (53%)
- Blue (14%)



- Red (0%)
- Yellow (42%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 67.572, 140.432 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, 67.572, 140.432 by changing the saturation by 10% instead.


 49, 67.572,
140.432


 49, 67.572,
140.432

 100, 67.572,
140.432

 39, 67.572,
140.432

 69, 67.572,
140.432

 29, 67.572,
140.432

 79, 67.572,
140.432

 19, 67.572,
140.432

 89, 67.572,
140.432

 9, 67.572, 140.432

 99, 67.572,
140.432

 0, 67.572, 140.432

 49, 67.572,

 49, 67.572,

140.432

140.432

■ 49, 67.508,
140.372

■ 49, 63.400,
142.011

■ 49, 58.497,
143.740

■ 50, 52.749,
145.359

■ 50, 46.269,
146.826

■ 51, 39.198,
148.129

■ 52, 31.688,
149.271

■ 53, 23.889,
150.266

■ 54, 15.934,
151.134

Harmonies

Complementary

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



49, 67.572, 140.432



30, 59.744, 341.263

Rectangle

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



49, 67.572, 140.432



49, 67.572, 190.432



49, 67.572, 320.432



49, 67.572, 10.432

Sweetspot

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



49, 67.508, 140.372



67, 29.553, 150.205



52, 62.883, 117.049



35, 20.292, 149.852



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, 67.508, 140.372



63, 82.569, 139.937



50, 41.115, 166.642



28, 4.535, 151.961



48, 66.372, 140.415



1, 2.099, 152.529

Inverse Universe

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



30, 59.744, 341.263



39, 72.059, 341.632



28, 55.722, 23.878



27, 4.553, 333.069



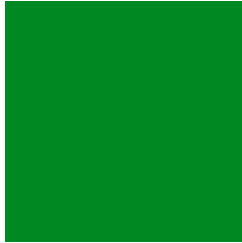
29, 58.818, 341.228



0, 2.099, 332.522

Previews

White Background



This preview shows how the CIELCh color 49, 67.572, 140.432 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, 67.572, 140.432 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, 67.572, 140.432

Background



This preview shows how black text looks on a background with the CIELCh color 49, 67.572, 140.432.



This preview shows how white text looks on a background with the CIELCh color 49, 67.572, 140.432.

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, 67.572, 140.432

Protanopia

49, 46.673, 95.543

Deuteranopia

49, 40.768, 81.138



Tritanopia
49, 22.363, 214.308

Trichromacy



Original Color
49, 67.572, 140.432

Protanomaly
47, 51.806, 124.114

Deuteranomaly
46, 44.692, 120.481

Tritanomaly
48, 35.132, 166.779

Monochromacy



Original Color
49, 67.572, 140.432

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 30.362, 148.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 67.572, 140.432 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(0, 136, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 35)  
}
```

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(0, 136, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 67.572, 140.432 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(0, 136, 35) }
```

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

```
.border{ border-color:rgb(0, 136, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 67.572, 140.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 35) }
```

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

```
.background{ background-color: rgb(0, 136,  
35) }
```

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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