

Converting Colors

CIELCh(48, 70.573, 149.937)

Have a look what the booklet for
CIELCh(48, 70.573, 149.937)
contains.

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Color

CIELCh(49, 62.682, 143.729)

Conversions

Conversions Part 1

Format	Color
Hex	008730
RGB	0, 135, 48
RGB Percent	0%, 53%, 19%
CMY	1.0000, 0.4697, 0.8106
CMYK	1.00, 0.00, 0.64, 0.47
HSL	141°, 100%, 27%
HSV	141°, 100%, 53%
XYZ	9.2077, 17.5941, 5.7387
YIQ	84.7170, -52.5330, -55.6770

Conversions

Conversions Part 2

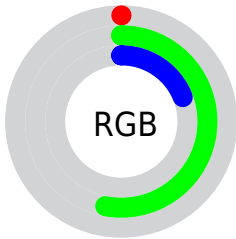
Format	Color
RYB	0, 100, 135
Decimal	34608
CIELab	49.00, -50.54, 37.08
CIELCh	49, 62.682, 143.729
Yxy	17.5941, 0.2830, 0.5407
Android (android.graphics.Color)	4278224688 (0xFF008730)
YUV	84.7170, -18.1015, -74.2968
Hunter-Lab	41.9453, -34.2205, 21.2501

Details

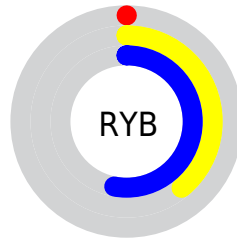
The CIELCh color **49, 62.682, 143.729** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 55.986, 348.584**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 62.083, 143.675**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 62.570, 143.626**, and if you desaturate by 10%, it is **49, 58.508, 145.510**.

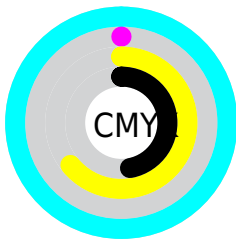
Distribution



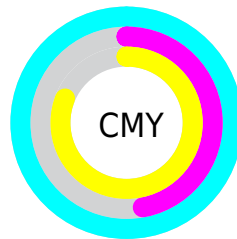
- Red (0%)
- Green (53%)
- Blue (19%)



- Red (0%)
- Yellow (39%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 62.682, 143.729 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, 62.682, 143.729 by changing the saturation by 10% instead.


 49, 62.682,
143.729


 49, 62.682,
143.729

 100, 62.682,
143.729

 39, 62.682,
143.729

 69, 62.682,
143.729


 29, 62.682,
143.729

 79, 62.682,
143.729

 19, 62.682,
143.729

 89, 62.682,
143.729

 9, 62.682, 143.729

 99, 62.682,
143.729

 0, 62.682, 143.729

 49, 62.682,

 49, 62.682,

143.729

143.729

■ 49, 62.570,
143.626

■ 49, 58.508,
145.510

■ 50, 53.869,
147.403

■ 50, 48.538,
149.129

■ 50, 42.580,
150.670

■ 51, 36.098,
152.030

■ 52, 29.213,
153.222

■ 53, 22.049,
154.268

■ 54, 14.726,
155.189

Harmonies

Complementary

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



49, 62.682, 143.729



29, 55.986, 348.584

Rectangle

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



49, 62.682, 143.729



49, 62.682, 193.729



49, 62.682, 323.729



49, 62.682, 13.729

Sweetspot

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



49, 62.570, 143.626



67, 27.329, 154.203



51, 64.628, 121.809



35, 18.756, 153.831



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, 62.570, 143.626



63, 76.760, 143.116



50, 36.280, 176.658



28, 4.205, 156.079



48, 61.625, 143.669



1, 1.949, 156.696

Inverse Universe

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



29, 55.986, 348.584



39, 67.615, 349.206



27, 59.115, 31.517



27, 4.233, 337.290



28, 55.214, 348.532



0, 1.949, 336.688

Previews

White Background



This preview shows how the CIELCh color 49, 62.682, 143.729 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, 62.682, 143.729 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, 62.682, 143.729

Background



This preview shows how black text looks on a background with the CIELCh color 49, 62.682, 143.729.



This preview shows how white text looks on a background with the CIELCh color 49, 62.682, 143.729.

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, 62.565, 143.573

Protanopia
49, 41.157, 95.255

Deuteranopia
49, 35.289, 79.214



Tritanopia
49, 22.949, 212.231

Trichromacy



Original Color
49, 62.565, 143.573



Protanomaly
47, 46.609, 126.866



Deuteranomaly
47, 39.318, 123.859



Tritanomaly
49, 34.144, 170.399

Monochromacy



Original Color
49, 62.565, 143.573



Achromatopsia
36, 0.005, 296.813



Achromatomaly
40, 27.375, 152.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 62.682, 143.729 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, 135, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 48)  
}
```

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, 135, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 62.682, 143.729 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, 135, 48) }
```

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

```
.border{ border-color:rgb(0, 135, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 62.682, 143.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 48) }
```

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

```
.background{ background-color: rgb(0, 135,  
48) }
```

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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