

Converting Colors

CIELCh(63, 66.211, 150.027)

Have a look what the booklet for
CIELCh(63, 66.211, 150.027)
contains.

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Color

CIELCh(63, 66.517, 149.811)

Conversions

Conversions Part 1

Format	Color
Hex	00B05A
RGB	0, 176, 90
RGB Percent	0%, 69%, 35%
CMY	1.0000, 0.3116, 0.6487
CMYK	1.00, 0.00, 0.49, 0.31
HSL	151°, 100%, 34%
HSV	151°, 100%, 69%
XYZ	17.2381, 31.5869, 14.7681
YIQ	113.5720, -77.2900, -64.0580

Conversions

Conversions Part 2

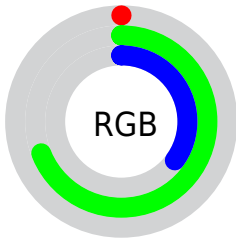
Format	Color
RYB	0, 116, 176
Decimal	45146
CIELab	63.00, -57.50, 33.45
CIELCh	63, 66.517, 149.811
Yxy	31.5869, 0.2711, 0.4967
Android (android.graphics.Color)	4278235226 (0xFF00B05A)
YUV	113.5720, -11.6210, -99.6026
Hunter-Lab	56.2022, -43.6053, 23.7621

Details

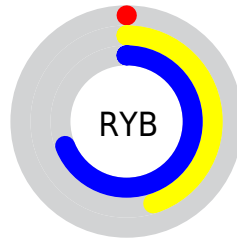
The CIELCh color **63, 66.517, 149.811** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **38, 63.968, 2.805**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 66.851, 149.723**, and **44, 58.762, 143.114** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.451, 149.763**, and if you desaturate by 10%, it is **63, 62.354, 151.937**.

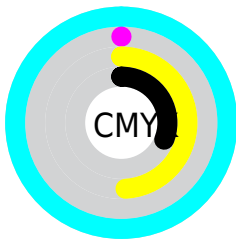
Distribution



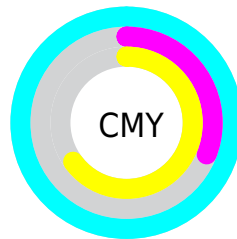
- Red (0%)
- Green (69%)
- Blue (35%)



- Red (0%)
- Yellow (45%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 66.517, 149.811 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 63, 66.517, 149.811 by changing the saturation by 10% instead.


 63, 66.517,
149.811


 63, 66.517,
149.811


 100, 66.517,
149.811


 53, 66.517,
149.811


 83, 66.517,
149.811

 43, 66.517,
149.811


 93, 66.517,
149.811

 33, 66.517,
149.811

 23, 66.517,
149.811

 13, 66.517,
149.811

 3, 66.517, 149.811

 0, 66.517, 149.811

■ 63, 66.517,
149.811

■ 63, 66.517,
149.811

■ 63, 66.451,
149.763

■ 63, 62.354,
151.937

■ 64, 57.653,
154.009

■ 64, 52.203,
155.875

■ 65, 46.033,
157.535

■ 65, 39.226,
159.002

■ 66, 31.899,
160.300

■ 67, 24.186,
161.451

■ 69, 16.220,

162.482

■ 70, 8.122, 163.424

Harmonies

Complementary

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



63, 66.517, 149.811



38, 63.968, 2.805

Rectangle

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



63, 66.517, 149.811



63, 66.517, 199.811



63, 66.517, 329.811



63, 66.517, 19.811

Sweetspot

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



63, 66.451, 149.763



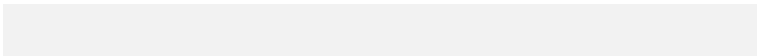
85, 29.791, 161.395



64, 82.394, 127.983



45, 20.408, 160.933



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 66.451, 149.763



80, 81.217, 149.338



65, 37.874, 196.386



36, 4.552, 163.489



55, 58.947, 150.072



6, 10.279, 159.544

Inverse Universe

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



38, 63.968, 2.805



49, 77.428, 3.635



36, 78.971, 39.949



34, 4.611, 344.936



32, 57.151, 2.215



2, 9.083, 349.360

Previews

White Background



This preview shows how the CIE LCh color 63, 66.517, 149.811 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 66.517, 149.811 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 ✓ Pass

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

CIELCh 63, 66.517, 149.811

Background



This preview shows how black text looks on a background with the CIELCh color 63, 66.517, 149.811.

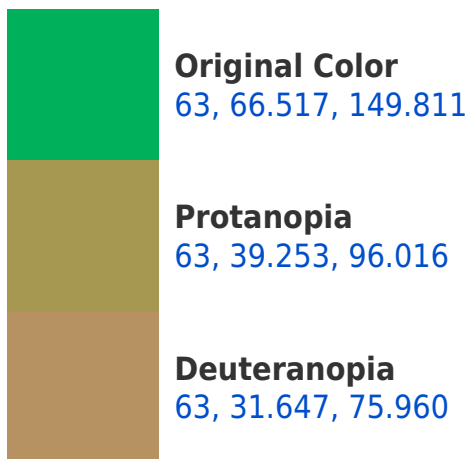


This preview shows how white text looks on a background with the CIELCh color 63, 66.517, 149.811.

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





Tritanopia
63, 28.948, 211.876

Trichromacy



Original Color
63, 66.517, 149.811



Protanomaly
61, 47.517, 133.771



Deuteranomaly
60, 37.956, 132.124



Tritanomaly
62, 39.099, 176.774

Monochromacy



Original Color
63, 66.517, 149.811



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 30.452, 158.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 66.517, 149.811 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, 176, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 90)  
}
```

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, 176, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 66.517, 149.811 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, 176, 90) }
```

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

```
.border{ border-color:rgb(0, 176, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 66.517, 149.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 90) }
```

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

```
.background{ background-color: rgb(0, 176,  
90) }
```

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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