

Converting Colors

CIELCh(67, 74.957, 155.909)

Have a look what the booklet for
CIELCh(67, 74.957, 155.909)
contains.

CIELCh(68, 67.536, 151.901)	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(68, 67.536, 151.901)

Conversions

Conversions Part 1

Format	Color
Hex	01BE69
RGB	1, 190, 105
RGB Percent	0%, 75%, 41%
CMY	0.9954, 0.2539, 0.5873
CMYK	0.99, 0.00, 0.45, 0.25
HSL	153°, 99%, 38%
HSV	153°, 99%, 75%
XYZ	21.0463, 37.9720, 19.6479
YIQ	123.7990, -85.3590, -66.5030

Conversions

Conversions Part 2

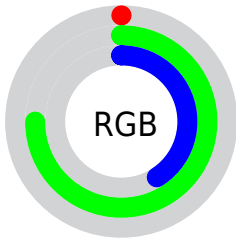
Format	Color
R _Y B	1, 123, 190
Decimal	114281
CIE Lab	68.00, -59.58, 31.81
CIE LCh	68, 67.536, 151.901
Yxy	37.9720, 0.2675, 0.4827
Android (android.graphics.Color)	4278304361 (0xFF01BE69)
YUV	123.7990, -9.2679, -107.6947
Hunter-Lab	61.6215, -46.8725, 24.2305

Details

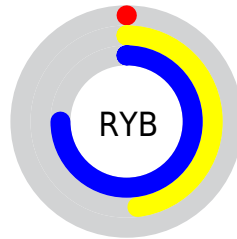
The CIELCh color **68, 67.536, 151.901** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **41, 67.624, 6.685**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 67.779, 151.709**, and **49, 59.472, 145.879** is the 20% darker color. If you saturate the color by 10%, you get **68, 67.779, 151.770**, and if you desaturate by 10%, it is **68, 63.473, 154.120**.

Distribution



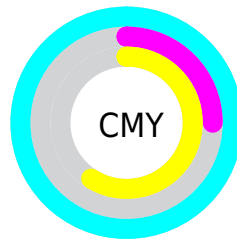
- Red (0%)
- Green (75%)
- Blue (41%)



- Red (0%)
- Yellow (48%)
- Blue (75%)



- Cyan (99%)
- Magenta (0%)
- Yellow (45%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 67.536, 151.901 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 68, 67.536, 151.901 by changing the saturation by 10% instead.


 68, 67.536,
151.901


 68, 67.536,
151.901


 100, 67.536,
151.901


 58, 67.536,
151.901


 88, 67.536,
151.901

 48, 67.536,
151.901

 98, 67.536,
151.901

 38, 67.536,
151.901

 28, 67.536,
151.901

 18, 67.536,
151.901

 8, 67.536, 151.901

 0, 67.536, 151.901

■ 68, 67.536,
151.901

■ 68, 67.536,
151.901

■ 68, 67.779,
151.770

■ 68, 63.473,
154.120

■ 69, 58.749,
156.201

■ 69, 53.236,
158.073

■ 70, 46.958,
159.737

■ 71, 39.997,
161.211

■ 72, 32.474,
162.518

■ 73, 24.528,
163.684

■ 74, 16.299,

164.733

■ 76, 7.912, 165.700

Harmonies

Complementary

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



68, 67.536, 151.901



41, 67.624, 6.685

Rectangle

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



68, 67.536, 151.901



68, 67.536, 201.901



68, 67.536, 331.901



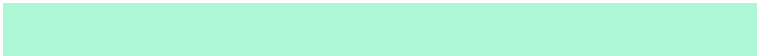
68, 67.536, 21.901

Sweetspot

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



68, 67.536, 151.901



92, 30.954, 163.562



69, 88.739, 129.579



49, 21.188, 163.074



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 67.536, 151.901



86, 83.207, 151.366



67, 37.594, 204.657



39, 4.745, 165.704



57, 58.695, 152.121



9, 16.026, 159.254

Inverse Universe

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



41, 67.624, 6.685



53, 82.518, 7.815



40, 82.859, 40.327



37, 4.818, 347.216



33, 59.063, 6.216



3, 13.589, 354.536

Previews

White Background



This preview shows how the CIELCh color 68, 67.536, 151.901 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 CIELCh color 68, 67.536, 151.901 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 68, 67.536, 151.901

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.536, 151.901.

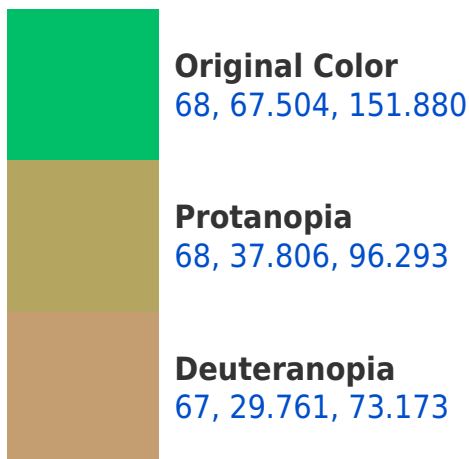


This preview shows how white text looks on a background with the CIELCh color 68, 67.536, 151.901.

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
68, 31.137, 212.723

Trichromacy



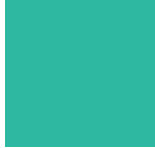
Original Color
68, 67.504, 151.880



Protanomaly
66, 46.843, 136.049



Deuteranomaly
65, 36.774, 135.415



Tritanomaly
68, 41.021, 178.857

Monochromacy



Original Color
68, 67.504, 151.880



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 30.977, 161.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.536, 151.901 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, 190, 105)` looks like.

```
.text, #text, p{  
    color:rgb(1, 190, 105)  
}
```

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, 190, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 190, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.536, 151.901 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, 190, 105) }
```

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

```
.border{ border-color:rgb(1, 190, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 190, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 190, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 190, 105);  
box-shadow:4px 4px 4px 4px rgb(1, 190,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.536, 151.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 190, 105) }
```

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

```
.background{ background-color: rgb(1, 190,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor