

Converting Colors

CIELCh(67, 111.613, 136.827)

Have a look what the booklet for
CIELCh(67, 111.613, 136.827)
contains.

CIELCh(68, 97.132, 136.016)	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, 97.132, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	00C100
RGB	0, 193, 0
RGB Percent	0%, 76%, 0%
CMY	1.0000, 0.2445, 1.0000
CMYK	1.00, 0.00, 1.00, 0.24
HSL	120°, 100%, 38%
HSV	120°, 100%, 76%
XYZ	18.9660, 37.9720, 6.3045
YIQ	113.2910, -53.0750, -100.9390

Conversions

Conversions Part 2

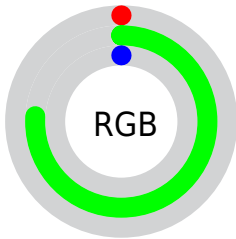
Format	Color
RYB	0, 193, 193
Decimal	49408
CIELab	68.00, -69.89, 67.45
CIELCh	68, 97.132, 136.016
Yxy	37.9720, 0.2999, 0.6004
Android (android.graphics.Color)	4278239488 (0xFF00C100)
YUV	113.2910, -55.8525, -99.3562
Hunter-Lab	61.6215, -52.8983, 37.0691

Details

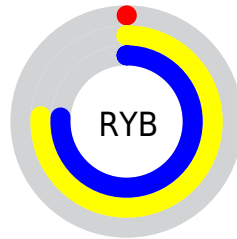
The CIELCh color **68, 97.132, 136.016** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **46, 93.591, 328.233**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **88, 97.174, 136.047**, and **50, 75.871, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 97.002, 136.016**, and if you desaturate by 10%, it is **68, 94.394, 136.429**.

Distribution



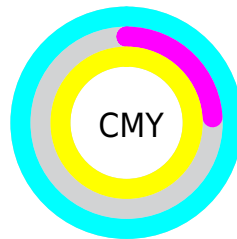
- Red (0%)
- Green (76%)
- Blue (0%)



- Red (0%)
- Yellow (76%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 97.132, 136.016 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, 97.132, 136.016 by changing the saturation by 10% instead.


 68, 97.132,
136.016


 68, 97.132,
136.016


 100, 97.132,
136.016


 58, 97.132,
136.016


 88, 97.132,
136.016

 48, 97.132,
136.016

 98, 97.132,
136.016

 38, 97.132,
136.016

 28, 97.132,
136.016

 18, 97.132,
136.016

 8, 97.132, 136.016

 0, 97.132, 136.016

■ 68, 97.132,
136.016

■ 68, 97.132,
136.016

■ 68, 97.002,
136.016

■ 68, 94.394,
136.429

■ 68, 89.562,
137.153

■ 69, 82.296,
138.147

■ 70, 73.039,
139.266

■ 70, 62.301,
140.386

■ 72, 50.544,
141.430

■ 73, 38.157,
142.362

■ 74, 25.452,

143.173

■ 76, 12.671,
143.874

Harmonies

Complementary

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



68, 97.132, 136.016



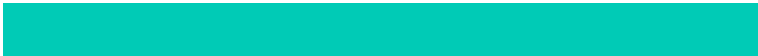
46, 93.591, 328.233

Rectangle

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



68, 97.132, 136.016



68, 97.132, 186.016



68, 97.132, 316.016



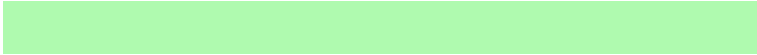
68, 97.132, 6.016

Sweetspot

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



68, 97.002, 136.016



92, 47.126, 142.320



76, 78.482, 102.852



48, 32.078, 141.937



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, 97.002, 136.016



86, 117.959, 136.016



69, 72.223, 149.072



40, 7.215, 143.915



57, 84.787, 136.016



10, 24.261, 144.096

Inverse Universe

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



46, 93.591, 328.233



59, 113.811, 328.233



41, 68.617, 2.137



38, 7.226, 324.930



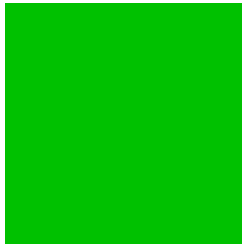
38, 81.806, 328.233



4, 24.213, 326.359

Previews

White Background



This preview shows how the CIELCh color 68, 97.132, 136.016 looks on a white background.

Color Contrast Check

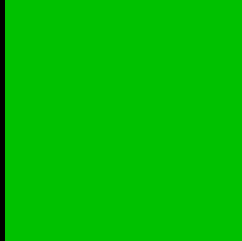
Large Text (above 18pt) WCAG AA × Fail

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, 97.132, 136.016 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, 97.132, 136.016

Background



This preview shows how black text looks on a background with the CIELCh color 68, 97.132, 136.016.



This preview shows how white text looks on a background with the CIELCh color 68, 97.132, 136.016.

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
68, 97.132, 136.016

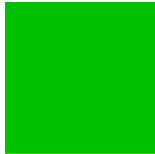
Protanopia
68, 70.673, 95.011

Deuteranopia
67, 62.975, 81.933



Tritanopia
68, 29.186, 213.934

Trichromacy



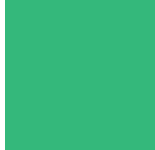
Original Color
68, 97.132, 136.016



Protanomaly
65, 77.656, 121.039



Deuteranomaly
64, 69.129, 116.809



Tritanomaly
67, 53.810, 156.991

Monochromacy



Original Color
68, 97.132, 136.016



Achromatopsia
48, 0.006, 296.813



Achromatomaly
53, 48.049, 140.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 97.132, 136.016 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, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 0)  
}
```

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, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 97.132, 136.016 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, 193, 0) }
```

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

```
.border{ border-color:rgb(0, 193, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 193, 0); box-shadow:4px  
4px 4px 4px rgb(0, 193, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 97.132, 136.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 0) }
```

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

```
.background{ background-color: rgb(0, 193,  
0) }
```

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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