

Converting Colors

CIELCh(68, 96.331, 136.077)

Have a look what the booklet for
CIELCh(68, 96.331, 136.077)
contains.

CIELCh(68, 96.498, 136.093)	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, 96.498, 136.093)

Conversions

Conversions Part 1

Format	Color
Hex	04C104
RGB	4, 193, 4
RGB Percent	2%, 76%, 2%
CMY	0.9854, 0.2449, 0.9849
CMYK	0.98, 0.00, 0.98, 0.24
HSL	120°, 96%, 38%
HSV	120°, 98%, 76%
XYZ	19.0374, 37.9720, 6.4358
YIQ	114.9430, -51.9750, -98.8470

Conversions

Conversions Part 2

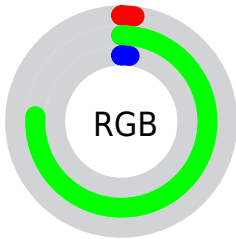
Format	Color
RYB	4, 193, 193
Decimal	311556
CIELab	68.00, -69.52, 66.92
CIElCh	68, 96.498, 136.093
Yxy	37.9720, 0.3001, 0.5985
Android (android.graphics.Color)	4278501636 (0xFF04C104)
YUV	114.9430, -54.6949, -97.2970
Hunter-Lab	61.6215, -52.6915, 36.9427

Details

The CIELCh color **68, 96.498, 136.093** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **46, 93.139, 328.243**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **88, 96.727, 136.058**, and **50, 75.871, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 96.952, 136.021**, and if you desaturate by 10%, it is **68, 93.606, 136.550**.

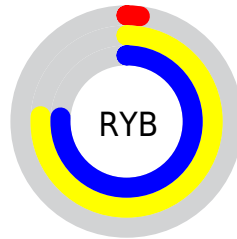
Distribution



Red (2%)

Green (76%)

Blue (2%)



Red (2%)

Yellow (76%)

Blue (76%)

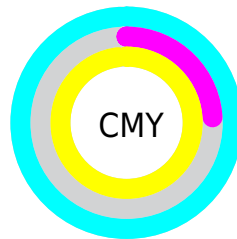


Cyan (98%)

Magenta (0%)

Yellow (98%)

Black (24%)



Cyan (99%)


Magenta (24%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 96.498, 136.093 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, 96.498, 136.093 by changing the saturation by 10% instead.


 68, 96.498,
136.093


 68, 96.498,
136.093


 100, 96.498,
136.093


 58, 96.498,
136.093


 88, 96.498,
136.093

 48, 96.498,
136.093

 98, 96.498,
136.093

 38, 96.498,
136.093

 28, 96.498,
136.093

 18, 96.498,
136.093

 8, 96.498, 136.093

 0, 96.498, 136.093

■ 68, 96.498,
136.093

■ 68, 96.498,
136.093

■ 68, 96.952,
136.021

■ 68, 93.606,
136.550

■ 68, 88.273,
137.340

■ 69, 80.581,
138.372

■ 70, 71.002,
139.501

■ 71, 60.040,
140.612

■ 72, 48.143,
141.636

■ 73, 35.683,
142.544

■ 75, 22.957,

143.333

■ 76, 10.194,
144.017

Harmonies

Complementary

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



68, 96.498, 136.093



46, 93.139, 328.243

Rectangle

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



68, 96.498, 136.093



68, 96.498, 186.093



68, 96.498, 316.093



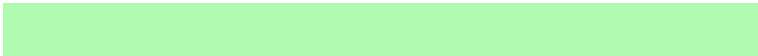
68, 96.498, 6.093

Sweetspot

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



68, 96.497, 136.094



92, 45.551, 142.425



76, 78.065, 102.886



48, 31.192, 142.042



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, 96.497, 136.094



86, 117.949, 136.019



69, 71.356, 149.486



40, 7.212, 143.932



57, 84.775, 136.022



10, 24.254, 144.106

Inverse Universe

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



46, 93.139, 328.243



59, 113.755, 328.258



42, 68.336, 1.376



38, 7.223, 324.947



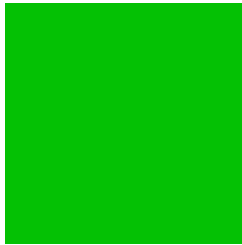
38, 81.767, 328.257



4, 24.200, 326.379

Previews

White Background



This preview shows how the CIELCh color 68, 96.498, 136.093 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, 96.498, 136.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

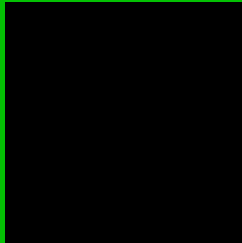
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 96.498, 136.093

Background



This preview shows how black text looks on a background with the CIELCh color 68, 96.498, 136.093.



This preview shows how white text looks on a background with the CIELCh color 68, 96.498, 136.093.

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, 96.646, 136.094

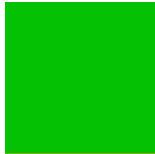
Protanopia
68, 70.673, 95.011

Deuteranopia
67, 62.975, 81.933



Tritanopia
68, 29.151, 212.799

Trichromacy



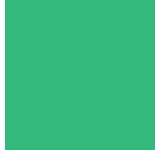
Original Color
68, 96.646, 136.094



Protanomaly
65, 77.262, 120.540



Deuteranomaly
65, 68.780, 116.541



Tritanomaly
67, 53.290, 157.315

Monochromacy



Original Color
68, 96.646, 136.094



Achromatopsia
48, 0.006, 296.813



Achromatomaly
54, 46.740, 140.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 96.498, 136.093 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(4, 193, 4)` looks like.

```
.text, #text, p{  
    color:rgb(4, 193, 4)  
}
```

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(4, 193, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 68, 96.498, 136.093 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(4, 193, 4) }
```

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

```
.border{ border-color:rgb(4, 193, 4) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 68, 96.498, 136.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 193, 4) }
```

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

```
.background{ background-color: rgb(4, 193,  
4) }
```

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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