

Converting Colors

CIELCh(70, 99.340, 136.016)

Have a look what the booklet for
CIELCh(70, 99.340, 136.016)
contains.

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Color

CIELCh(70, 99.378, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	00C700
RGB	0, 199, 0
RGB Percent	0%, 78%, 0%
CMY	1.0000, 0.2204, 1.0000
CMYK	1.00, 0.00, 1.00, 0.22
HSL	120°, 100%, 39%
HSV	120°, 100%, 78%
XYZ	20.3630, 40.7494, 6.7774
YIQ	116.8130, -54.7250, -104.0770

Conversions

Conversions Part 2

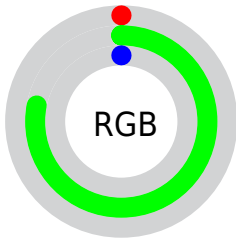
Format	Color
RYB	0, 199, 199
Decimal	50944
CIELab	70.00, -71.51, 69.01
CIELCh	70, 99.378, 136.016
Yxy	40.7494, 0.2999, 0.6002
Android (android.graphics.Color)	4278241024 (0xFF00C700)
YUV	116.8130, -57.5888, -102.4450
Hunter-Lab	63.8353, -54.7714, 38.3898

Details

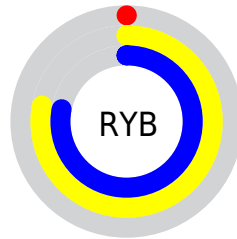
The CIELCh color **70, 99.378, 136.016** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **47, 95.815, 328.233**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 98.436, 135.972**, and **51, 77.861, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 99.306, 136.016**, and if you desaturate by 10%, it is **70, 96.705, 136.419**.

Distribution



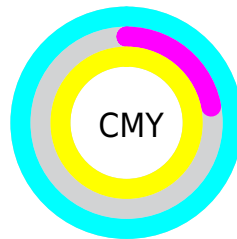
- Red (0%)
- Green (78%)
- Blue (0%)



- Red (0%)
- Yellow (78%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 99.378, 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 70, 99.378, 136.016 by changing the saturation by 10% instead.


 70, 99.378,
136.016


 70, 99.378,
136.016


 100, 99.378,
136.016


 60, 99.378,
136.016


 90, 99.378,
136.016

 50, 99.378,
136.016

 40, 99.378,
136.016

 30, 99.378,
136.016

 20, 99.378,
136.016

 10, 99.378,
136.016

 0, 99.378, 136.016

■ 70, 99.378,
136.016

■ 70, 99.378,
136.016

■ 70, 99.306,
136.016

■ 70, 96.705,
136.419

■ 70, 91.795,
137.138

■ 71, 84.377,
138.131

■ 72, 74.904,
139.252

■ 72, 63.902,
140.375

■ 74, 51.849,
141.422

■ 75, 39.145,
142.356

■ 76, 26.112,

143.170

■ 78, 12.999,
143.873

Harmonies

Complementary

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



70, 99.378, 136.016



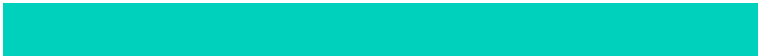
47, 95.815, 328.233

Rectangle

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



70, 99.378, 136.016



70, 99.378, 186.016



70, 99.378, 316.016



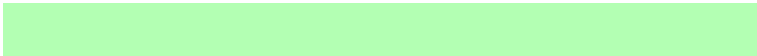
70, 99.378, 6.016

Sweetspot

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



70, 99.306, 136.016



94, 47.903, 142.317



78, 80.347, 102.852



49, 32.612, 141.930



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 99.306, 136.016



88, 119.779, 136.016



71, 74.019, 149.019



41, 7.371, 143.913



58, 85.776, 136.016



11, 26.597, 143.591

Inverse Universe

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



47, 95.815, 328.233



60, 115.567, 328.233



43, 70.236, 2.238



39, 7.382, 324.932



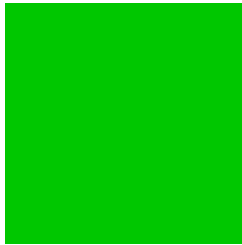
39, 82.760, 328.233



4, 26.742, 327.026

Previews

White Background



This preview shows how the CIELCh color 70, 99.378, 136.016 looks on a white background.

Color Contrast Check

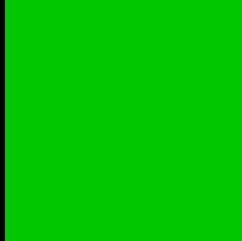
Large Text (above 18pt) WCAG AA × Fail

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 70, 99.378, 136.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

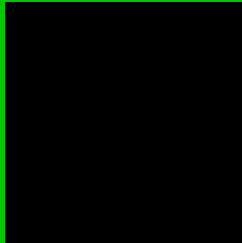
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 99.378, 136.016

Background



This preview shows how black text looks on a background with the CIELCh color 70, 99.378, 136.016.

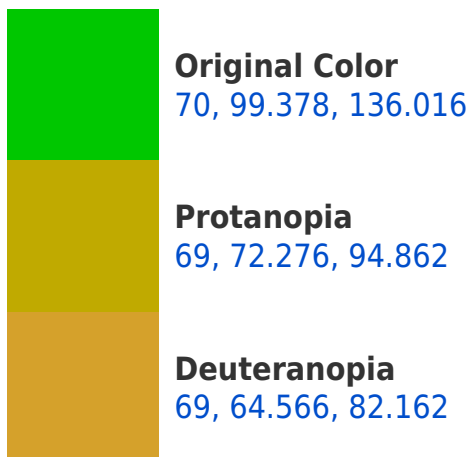


This preview shows how white text looks on a background with the CIELCh color 70, 99.378, 136.016.

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](#).

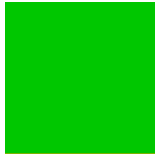
Dichromacy





Tritanopia
70, 30.069, 213.312

Trichromacy



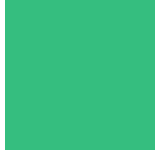
Original Color
70, 99.378, 136.016



Protanomaly
67, 79.224, 120.907



Deuteranomaly
66, 71.332, 116.977



Tritanomaly
69, 55.295, 157.020

Monochromacy



Original Color
70, 99.378, 136.016



Achromatopsia
49, 0.007, 296.813



Achromatomaly
55, 49.751, 140.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 99.378, 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, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 99.378, 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, 199, 0) }
```

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

```
.border{ border-color:rgb(0, 199, 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, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 199, 0); box-shadow:4px  
4px 4px 4px rgb(0, 199, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 99.378, 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, 199, 0) }
```

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

```
.background{ background-color: rgb(0, 199,  
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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