

Converting Colors

CIELCh(70, 96.942, 137.017)

Have a look what the booklet for
CIELCh(70, 96.942, 137.017)
contains.

CIELCh(70, 97.072, 136.983)	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(70, 97.072, 136.983)

Conversions

Conversions Part 1

Format	Color
Hex	00C715
RGB	0, 199, 21
RGB Percent	0%, 78%, 8%
CMY	1.0000, 0.2208, 0.9158
CMYK	1.00, 0.00, 0.89, 0.22
HSL	126°, 100%, 39%
HSV	126°, 100%, 78%
XYZ	20.4718, 40.7494, 7.5186
YIQ	119.2070, -61.4660, -97.5460

Conversions

Conversions Part 2

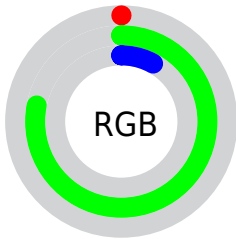
Format	Color
RYB	0, 180, 199
Decimal	50965
CIELab	70.00, -70.97, 66.22
CIELCh	70, 97.072, 136.983
Yxy	40.7494, 0.2978, 0.5928
Android (android.graphics.Color)	4278241045 (0xFF00C715)
YUV	119.2070, -48.4161, -104.5445
Hunter-Lab	63.8353, -54.4673, 37.7015

Details

The CIELCh color **70, 97.072, 136.983** 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, 87.953, 333.090**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 96.228, 136.834**, and **51, 77.861, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 97.030, 136.953**, and if you desaturate by 10%, it is **70, 93.064, 137.981**.

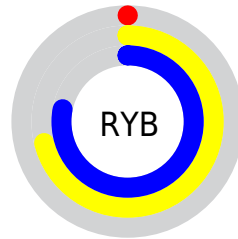
Distribution



Red (0%)

Green (78%)

Blue (8%)



Red (0%)

Yellow (71%)

Blue (78%)

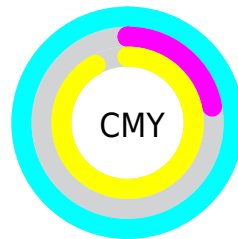


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (22%)



Cyan (100%)


Magenta (22%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 97.072, 136.983 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, 97.072, 136.983 by changing the saturation by 10% instead.


 70, 97.072,
136.983

 70, 97.072,
136.983


 100, 97.072,
136.983


 60, 97.072,
136.983


 90, 97.072,
136.983

 50, 97.072,
136.983

 40, 97.072,
136.983

 30, 97.072,
136.983

 20, 97.072,
136.983

 10, 97.072,
136.983

 0, 97.072, 136.983

■ 70, 97.072,
136.983

■ 70, 97.072,
136.983

■ 70, 97.030,
136.953

■ 70, 93.064,
137.981

■ 70, 87.091,
139.281

■ 71, 79.274,
140.662

■ 72, 69.947,
142.012

■ 73, 59.462,
143.262

■ 74, 48.153,
144.378

■ 75, 36.321,
145.354

■ 77, 24.220,

146.197

■ 78, 12.057,
146.928

Harmonies

Complementary

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



70, 97.072, 136.983



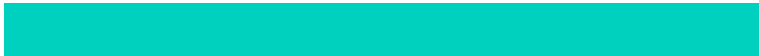
46, 87.953, 333.090

Rectangle

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



70, 97.072, 136.983



70, 97.072, 186.983



70, 97.072, 316.983



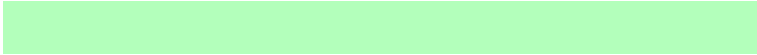
70, 97.072, 6.983

Sweetspot

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



70, 97.030, 136.953



94, 44.469, 145.314



76, 80.891, 108.991



49, 30.284, 144.911



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, 97.030, 136.953



88, 117.523, 136.799



71, 66.263, 154.651



41, 6.840, 146.970



58, 83.517, 137.116



11, 25.242, 145.495

Inverse Universe

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



46, 87.953, 333.090



59, 105.998, 333.171



42, 70.321, 11.959



39, 6.855, 328.035



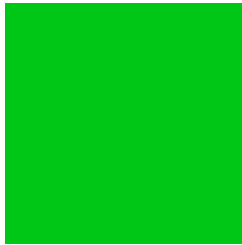
38, 76.094, 333.013



4, 24.355, 330.897

Previews

White Background



This preview shows how the CIELCh color 70, 97.072, 136.983 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, 97.072, 136.983 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

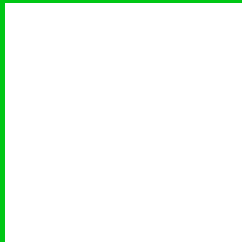
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 97.072, 136.983

Background



This preview shows how black text looks on a background with the CIELCh color 70, 97.072, 136.983.



This preview shows how white text looks on a background with the CIELCh color 70, 97.072, 136.983.

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

70, 97.218, 136.921

Protanopia

69, 71.239, 95.218

Deuteranopia

69, 63.225, 81.864



Tritanopia
70, 30.069, 213.312

Trichromacy



Original Color
70, 97.218, 136.921



Protanomaly
67, 77.759, 121.365



Deuteranomaly
67, 68.495, 117.778



Tritanomaly
69, 52.223, 160.409

Monochromacy



Original Color
70, 97.218, 136.921



Achromatopsia
50, 0.007, 296.813



Achromatomaly
55, 45.575, 143.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 97.072, 136.983 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 97.072, 136.983 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, 21) }
```

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

```
.border{ border-color:rgb(0, 199, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 97.072, 136.983 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, 21) }
```

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

```
.background{ background-color: rgb(0, 199,  
21) }
```

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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