

Converting Colors

CIELCh(70, 98.831, 136.018)

Have a look what the booklet for
CIELCh(70, 98.831, 136.018)
contains.

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Color

CIELCh(70, 98.951, 136.014)

Conversions

Conversions Part 1

Format	Color
Hex	05C702
RGB	5, 199, 2
RGB Percent	2%, 78%, 1%
CMY	0.9824, 0.2207, 0.9911
CMYK	0.98, 0.00, 0.99, 0.22
HSL	119°, 98%, 39%
HSV	119°, 99%, 78%
XYZ	20.4263, 40.7494, 6.8532
YIQ	118.5360, -52.3870, -102.3950

Conversions

Conversions Part 2

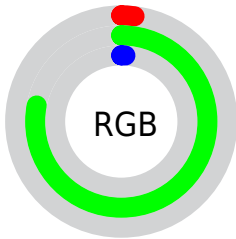
Format	Color
R_{YB}	2, 199, 196
Decimal	378626
CIE _{Lab}	70.00, -71.20, 68.72
CIE _{LCh}	70, 98.951, 136.014
Y _{xy}	40.7494, 0.3003, 0.5990
Android (android.graphics.Color)	4278568706 (0xFF05C702)
YUV	118.5360, -57.4522, -99.5711
Hunter-Lab	63.8353, -54.5944, 38.3195

Details

The CIELCh color **70, 98.951, 136.014** 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, 95.609, 327.776**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 97.992, 135.983**, and **51, 77.861, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 99.213, 135.973**, and if you desaturate by 10%, it is **70, 96.152, 136.412**.

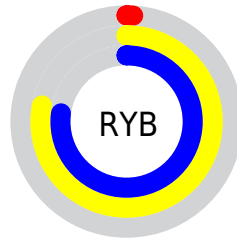
Distribution



Red (2%)

Green (78%)

Blue (1%)



Red (1%)

Yellow (78%)

Blue (77%)

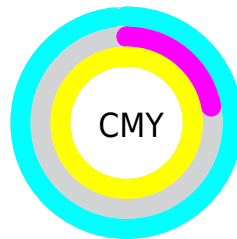


Cyan (98%)

Magenta (0%)

Yellow (99%)

Black (22%)



Cyan (98%)


Magenta (22%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 98.951, 136.014 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, 98.951, 136.014 by changing the saturation by 10% instead.


 70, 98.951,
136.014


 70, 98.951,
136.014


 100, 98.951,
136.014


 60, 98.951,
136.014


 90, 98.951,
136.014

 50, 98.951,
136.014

 40, 98.951,
136.014

 30, 98.951,
136.014

 20, 98.951,
136.014

 10, 98.951,
136.014

 0, 98.951, 136.014

■ 70, 98.951,
136.014

■ 70, 98.951,
136.014

■ 70, 99.213,
135.973

■ 70, 96.152,
136.412

■ 70, 90.890,
137.124

■ 71, 83.176,
138.097

■ 72, 73.489,
139.186

■ 73, 62.354,
140.273

■ 74, 50.236,
141.284

■ 75, 37.521,
142.186

■ 77, 24.519,

142.972

■ 78, 11.463,
143.653

Harmonies

Complementary

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



70, 98.951, 136.014



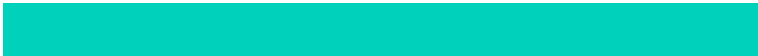
47, 95.609, 327.776

Rectangle

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



70, 98.951, 136.014



70, 98.951, 186.014



70, 98.951, 316.014



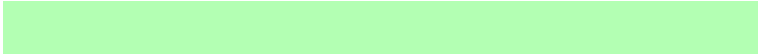
70, 98.951, 6.014

Sweetspot

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



70, 98.950, 136.015



94, 47.729, 142.052



77, 79.107, 101.823



49, 32.496, 141.672



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, 98.950, 136.015



88, 119.726, 135.984



71, 74.750, 148.441



41, 7.344, 143.620



58, 85.711, 135.961



11, 26.512, 143.377

Inverse Universe

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



47, 95.609, 327.776



60, 115.622, 327.773



43, 70.289, 0.219



39, 7.356, 324.623



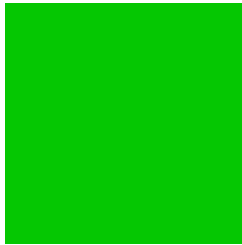
38, 82.798, 327.786



4, 26.614, 326.574

Previews

White Background



This preview shows how the CIELCh color 70, 98.951, 136.014 looks on a white background.

Color Contrast Check

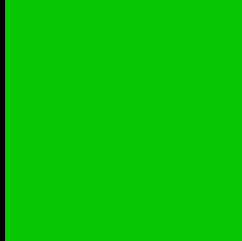
Large Text (above 18pt) WCAG AA × Fail

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, 98.951, 136.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

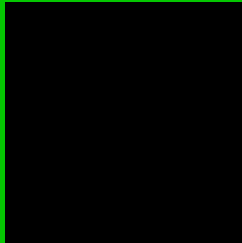
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 98.951, 136.014

Background



This preview shows how black text looks on a background with the CIELCh color 70, 98.951, 136.014.



This preview shows how white text looks on a background with the CIELCh color 70, 98.951, 136.014.

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, 99.067, 135.996

Protanopia

69, 72.207, 95.222

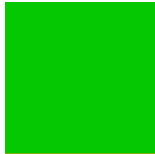
Deuteranopia

69, 64.566, 82.162



Tritanopia
70, 30.069, 213.312

Trichromacy



Original Color
70, 99.067, 135.996



Protanomaly
67, 78.974, 120.681



Deuteranomaly
67, 70.992, 116.719



Tritanomaly
69, 54.781, 157.335

Monochromacy



Original Color
70, 99.067, 135.996



Achromatopsia
50, 0.007, 296.813



Achromatomaly
55, 48.300, 140.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 98.951, 136.014 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(5, 199, 2)` looks like.

```
.text, #text, p{  
    color:rgb(5, 199, 2)  
}
```

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(5, 199, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 199, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 98.951, 136.014 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(5, 199, 2) }
```

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

```
.border{ border-color:rgb(5, 199, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 199, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 199, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 199, 2); box-shadow:4px  
4px 4px 4px rgb(5, 199, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 98.951, 136.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 199, 2) }
```

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

```
.background{ background-color: rgb(5, 199,  
2) }
```

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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