

Converting Colors

CIELCh(71, 96.548, 137.815)

Have a look what the booklet for
CIELCh(71, 96.548, 137.815)
contains.

CIELCh(71, 96.540, 137.676)	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(71, 96.540, 137.676)

Conversions

Conversions Part 1

Format	Color
Hex	00CA20
RGB	0, 202, 32
RGB Percent	0%, 79%, 13%
CMY	1.0000, 0.2090, 0.8761
CMYK	1.00, 0.00, 0.84, 0.21
HSL	129°, 100%, 40%
HSV	129°, 100%, 79%
XYZ	21.2830, 42.1875, 8.3577
YIQ	122.2220, -65.8220, -95.6940

Conversions

Conversions Part 2

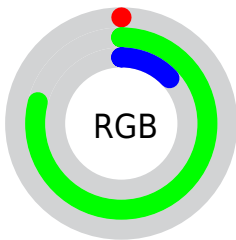
Format	Color
RYB	0, 174, 202
Decimal	51744
CIELab	71.00, -71.38, 65.00
CIELCh	71, 96.540, 137.676
Yxy	42.1875, 0.2963, 0.5873
Android (android.graphics.Color)	4278241824 (0xFF00CA20)
YUV	122.2220, -44.4794, -107.1887
Hunter-Lab	64.9519, -55.1761, 37.8372

Details

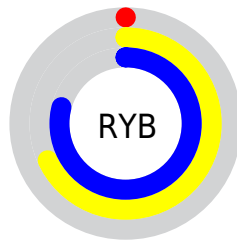
The CIELCh color **71, 96.540, 137.676** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **46, 85.638, 335.680**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.915, 137.770**, and **52, 79.049, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **71, 96.498, 137.647**, and if you desaturate by 10%, it is **71, 91.959, 138.957**.

Distribution



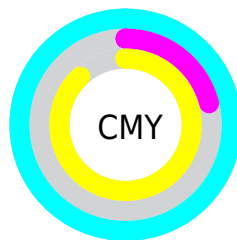
- Red (0%)
- Green (79%)
- Blue (13%)



- Red (0%)
- Yellow (68%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 96.540, 137.676 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 71, 96.540, 137.676 by changing the saturation by 10% instead.


 71, 96.540,
137.676


 71, 96.540,
137.676


 100, 96.540,
137.676


 61, 96.540,
137.676


 91, 96.540,
137.676

 51, 96.540,
137.676

 41, 96.540,
137.676

 31, 96.540,
137.676

 21, 96.540,
137.676

 11, 96.540,
137.676

 1, 96.540, 137.676

■ 0, 96.540, 137.676

■ 71, 96.540,
137.676

■ 71, 96.540,
137.676

■ 71, 96.498,
137.647

■ 71, 91.959,
138.957

■ 72, 85.666,
140.459

■ 72, 77.751,
141.970

■ 73, 68.487,
143.399

■ 74, 58.169,
144.696

■ 75, 47.086,
145.843

■ 76, 35.512,
146.840

■ 78, 23.682,
147.702

■ 79, 11.791,
148.451

Harmonies

Complementary

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



71, 96.540, 137.676



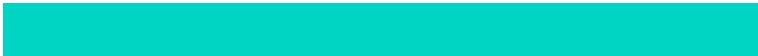
46, 85.638, 335.680

Rectangle

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



71, 96.540, 137.676



71, 96.540, 187.676



71, 96.540, 317.676



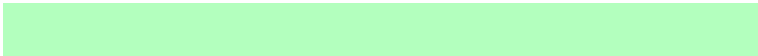
71, 96.540, 7.676

Sweetspot

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



71, 96.498, 137.647



94, 42.953, 146.802



77, 82.476, 111.945



49, 29.252, 146.391



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 96.498, 137.647



88, 115.667, 137.459



72, 63.147, 157.962



42, 6.748, 148.493



59, 83.000, 137.850



12, 26.545, 145.650

Inverse Universe

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



46, 85.638, 335.680



58, 102.017, 335.801



43, 72.091, 16.841



40, 6.765, 329.593



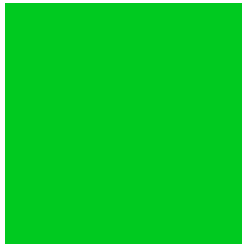
38, 74.143, 335.558



5, 25.560, 333.371

Previews

White Background



This preview shows how the CIELCh color 71, 96.540, 137.676 looks on a white background.

Color Contrast Check

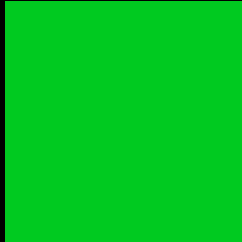
Large Text (above 18pt) WCAG AA × Fail

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 71, 96.540, 137.676 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

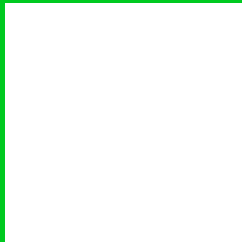
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 96.540, 137.676

Background



This preview shows how black text looks on a background with the CIELCh color 71, 96.540, 137.676.



This preview shows how white text looks on a background with the CIELCh color 71, 96.540, 137.676.

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

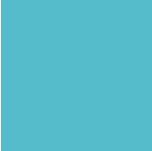
71, 96.540, 137.676

Protanopia

70, 69.892, 95.327

Deuteranopia

70, 62.154, 81.786



Tritanopia
71, 30.508, 213.018

Trichromacy



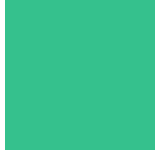
Original Color
71, 96.540, 137.676



Protanomaly
68, 76.799, 122.316



Deuteranomaly
68, 67.643, 118.785



Tritanomaly
70, 51.538, 162.209

Monochromacy



Original Color
71, 96.540, 137.676



Achromatopsia
51, 0.007, 296.813



Achromatomaly
57, 44.784, 144.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 96.540, 137.676 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, 202, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 32)  
}
```

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, 202, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 96.540, 137.676 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, 202, 32) }
```

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

```
.border{ border-color:rgb(0, 202, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 32);  
box-shadow:4px 4px 4px 4px rgb(0, 202, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 71, 96.540, 137.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 32) }
```

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

```
.background{ background-color: rgb(0, 202,  
32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor