

Converting Colors

CIELCh(71, 99.981, 135.791)

Have a look what the booklet for
CIELCh(71, 99.981, 135.791)
contains.

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Color

CIELCh(71, 100.071, 135.809)

Conversions

Conversions Part 1

Format	Color
Hex	0CCA00
RGB	12, 202, 0
RGB Percent	5%, 79%, 0%
CMY	0.9542, 0.2089, 0.9989
CMYK	0.94, 0.00, 1.00, 0.21
HSL	117°, 100%, 40%
HSV	117°, 100%, 79%
XYZ	21.2040, 42.1875, 7.0328
YIQ	122.1620, -48.3980, -103.1020

Conversions

Conversions Part 2

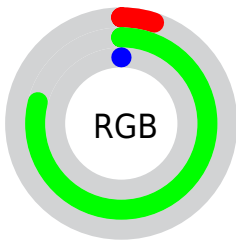
Format	Color
RYB	0, 202, 190
Decimal	838144
CIELab	71.00, -71.75, 69.75
CIELCh	71, 100.071, 135.809
Yxy	42.1875, 0.3011, 0.5990
Android (android.graphics.Color)	4279028224 (0xFF0CCA00)
YUV	122.1620, -60.2259, -96.6121
Hunter-Lab	64.9519, -55.3932, 39.0466

Details

The CIELCh color **71, 100.071, 135.809** 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, 97.137, 326.006**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 97.717, 135.764**, and **52, 79.049, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **71, 100.102, 135.805**, and if you desaturate by 10%, it is **71, 97.230, 136.038**.

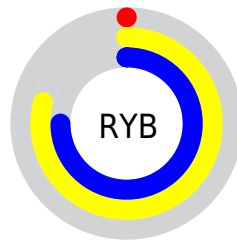
Distribution



Red (5%)

Green (79%)

Blue (0%)



Red (0%)

Yellow (79%)

Blue (75%)

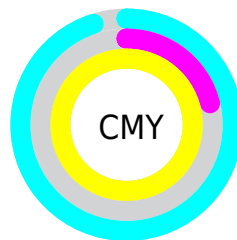


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (95%)


Magenta (21%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 100.071, 135.809 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, 100.071, 135.809 by changing the saturation by 10% instead.


 71, 100.071,
135.809


 71, 100.071,
135.809


 100, 100.071,
135.809


 61, 100.071,
135.809


 91, 100.071,
135.809

 51, 100.071,
135.809

 41, 100.071,
135.809

 31, 100.071,
135.809

 21, 100.071,
135.809

 11, 100.071,
135.809

 1, 100.071,

135.809

■ 0, 100.071,
135.809

■ 71, 100.071,
135.809

■ 71, 100.071,
135.809

■ 71, 100.102,
135.805

■ 71, 97.230,
136.038

■ 72, 91.986,
136.537

■ 72, 84.282,
137.326

■ 73, 74.603,
138.268

■ 74, 63.485,
139.243

■ 75, 51.397,
140.171

■ 76, 38.723,
141.013

■ 78, 25.759,
141.755

■ 79, 12.734,
142.402

Harmonies

Complementary

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



71, 100.071, 135.809



46, 97.137, 326.006

Rectangle

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



71, 100.071, 135.809



71, 100.071, 185.809



71, 100.071, 315.809



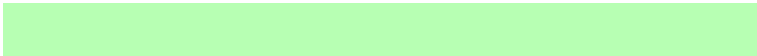
71, 100.071, 5.809

Sweetspot

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



71, 100.070, 135.810



94, 47.045, 140.969



75, 77.362, 98.405



49, 32.038, 140.619



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, 100.070, 135.810



88, 119.510, 135.853



71, 79.870, 145.920



42, 7.389, 142.430



59, 86.443, 135.749



12, 28.212, 141.814

Inverse Universe

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



46, 97.137, 326.006



58, 115.933, 325.975



44, 72.200, 356.015



40, 7.408, 323.378



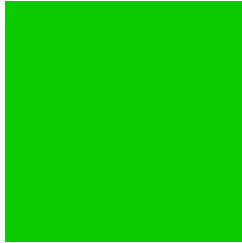
38, 83.967, 326.035



5, 28.478, 325.333

Previews

White Background



This preview shows how the CIELCh color 71, 100.071, 135.809 looks on a white background.

Color Contrast Check

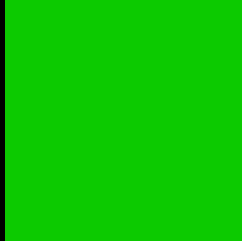
Large Text (above 18pt) WCAG AA × Fail

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, 100.071, 135.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

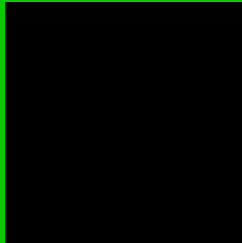
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 100.071, 135.809

Background



This preview shows how black text looks on a background with the CIELCh color 71, 100.071, 135.809.



This preview shows how white text looks on a background with the CIELCh color 71, 100.071,

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, 100.188, 135.794

Protanopia

70, 73.124, 95.343

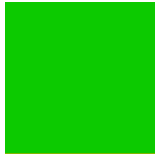
Deuteranopia

70, 65.318, 81.630



Tritanopia
71, 30.324, 213.128

Trichromacy



Original Color

71, 100.188, 135.794



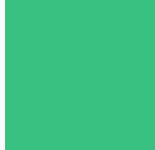
Protanomaly

68, 79.677, 119.895



Deuteranomaly

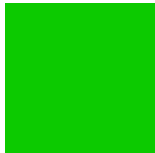
67, 71.333, 115.594



Tritanomaly

70, 55.457, 156.624

Monochromacy



Original Color

71, 100.188, 135.794



Achromatopsia

51, 0.007, 296.813



Achromatomaly

57, 48.830, 139.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 100.071, 135.809 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(12, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 202, 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(12, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 202, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 100.071, 135.809 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(12, 202, 0) }
```

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

```
.border{ border-color:rgb(12, 202, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 202, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 71, 100.071, 135.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 202, 0) }
```

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

```
.background{ background-color: rgb(12, 202,  
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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