

Converting Colors

CIELCh(71, 99.535, 135.760)

Have a look what the booklet for
CIELCh(71, 99.535, 135.760)
contains.

CIELCh(71, 99.727, 135.758)	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, 99.727, 135.758)

Conversions

Conversions Part 1

Format	Color
Hex	11CA02
RGB	17, 202, 2
RGB Percent	7%, 79%, 1%
CMY	0.9349, 0.2093, 0.9921
CMYK	0.92, 0.00, 0.99, 0.21
HSL	116°, 98%, 40%
HSV	116°, 99%, 79%
XYZ	21.2688, 42.1875, 7.0792
YIQ	123.8850, -46.0600, -101.4200

Conversions

Conversions Part 2

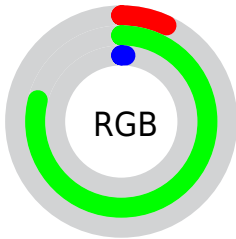
Format	Color
R_{YB}	2, 202, 187
Decimal	1165826
CIE Lab	71.00, -71.44, 69.58
CIE LCh	71, 99.727, 135.758
Yxy	42.1875, 0.3015, 0.5981
Android (android.graphics.Color)	4279355906 (0xFF11CA02)
YUV	123.8850, -60.0893, -93.7381
Hunter-Lab	64.9519, -55.2151, 39.0042

Details

The CIELCh color **71, 99.727, 135.758** 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 **45, 97.046, 325.380**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 97.267, 135.771**, and **52, 79.049, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **71, 99.968, 135.732**, and if you desaturate by 10%, it is **71, 96.658, 135.923**.

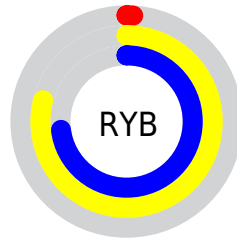
Distribution



Red (7%)

Green (79%)

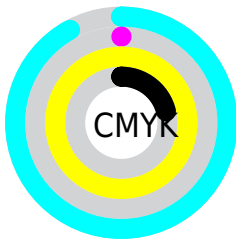
Blue (1%)



Red (1%)

Yellow (79%)

Blue (73%)

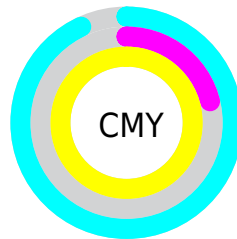


Cyan (92%)

Magenta (0%)

Yellow (99%)

Black (21%)



Cyan (93%)


Magenta (21%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 99.727, 135.758 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, 99.727, 135.758 by changing the saturation by 10% instead.


 71, 99.727,
135.758


 71, 99.727,
135.758


 100, 99.727,
135.758


 61, 99.727,
135.758


 91, 99.727,
135.758

 51, 99.727,
135.758

 41, 99.727,
135.758

 31, 99.727,
135.758

 21, 99.727,
135.758

 11, 99.727,
135.758

 1, 99.727, 135.758

■ 0, 99.727, 135.758

■ 71, 99.727,
135.758

■ 71, 99.727,
135.758

■ 71, 99.968,
135.732

■ 71, 96.658,
135.923

■ 72, 91.124,
136.388

■ 72, 83.189,
137.138

■ 73, 73.356,
138.038

■ 74, 62.157,
138.971

■ 75, 50.050,
139.861

■ 76, 37.402,
140.670

■ 78, 24.496,
141.384

■ 79, 11.549,
142.009

Harmonies

Complementary

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



71, 99.727, 135.758



45, 97.046, 325.380

Rectangle

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



71, 99.727, 135.758



71, 99.727, 185.758



71, 99.727, 315.758



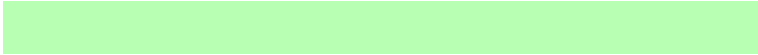
71, 99.727, 5.758

Sweetspot

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



71, 99.726, 135.759



94, 46.798, 140.561



74, 76.310, 97.258



49, 31.872, 140.221



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, 99.726, 135.759



88, 119.405, 135.790



71, 80.654, 145.393



42, 7.350, 141.986



59, 86.346, 135.667



12, 28.075, 141.486

Inverse Universe

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



45, 97.046, 325.380



57, 116.083, 325.326



44, 72.567, 354.256



40, 7.371, 322.914



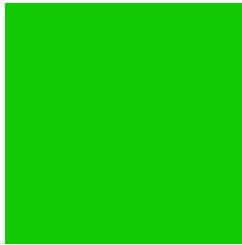
37, 84.071, 325.404



5, 28.309, 324.683

Previews

White Background



This preview shows how the CIELCh color 71, 99.727, 135.758 looks on a white background.

Color Contrast Check

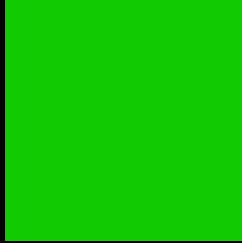
Large Text (above 18pt) WCAG AA × Fail

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, 99.727, 135.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

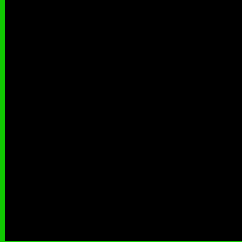
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 99.727, 135.758

Background



This preview shows how black text looks on a background with the CIELCh color 71, 99.727, 135.758.



This preview shows how white text looks on a background with the CIELCh color 71, 99.727, 135.758.

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, 99.852, 135.749

Protanopia

70, 73.124, 95.343

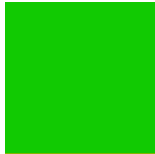
Deuteranopia

70, 65.318, 81.630



Tritanopia
71, 29.969, 214.474

Trichromacy



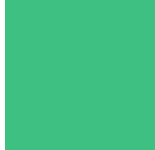
Original Color
71, 99.852, 135.749



Protanomaly
68, 79.435, 119.662



Deuteranomaly
68, 70.901, 114.996



Tritanomaly
70, 54.127, 156.974

Monochromacy



Original Color
71, 99.852, 135.749



Achromatopsia
52, 0.007, 296.813



Achromatomaly
57, 47.960, 139.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 99.727, 135.758 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(17, 202, 2)` looks like.

```
.text, #text, p{  
    color:rgb(17, 202, 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(17, 202, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 202, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 99.727, 135.758 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(17, 202, 2) }
```

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

```
.border{ border-color:rgb(17, 202, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 202, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 202, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 202, 2);  
box-shadow:4px 4px 4px 4px rgb(17, 202, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 71, 99.727, 135.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 202, 2) }
```

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

```
.background{ background-color: rgb(17, 202,  
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](#).

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