

Converting Colors

CIELCh(73, 102.940, 135.883)

Have a look what the booklet for
CIELCh(73, 102.940, 135.883)
contains.

CIELCh(73, 102.674, 135.982)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(73, 102.674, 135.982)

Conversions

Conversions Part 1

Format	Color
Hex	02D000
RGB	2, 208, 0
RGB Percent	1%, 82%, 0%
CMY	0.9906, 0.1840, 0.9991
CMYK	0.99, 0.00, 1.00, 0.18
HSL	119°, 100%, 41%
HSV	119°, 100%, 82%
XYZ	22.6054, 45.1644, 7.5323
YIQ	122.6940, -56.0080, -108.3600

Conversions

Conversions Part 2

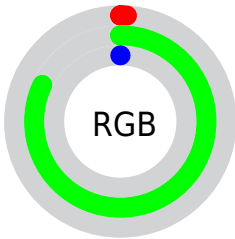
Format	Color
RYB	0, 208, 206
Decimal	184320
CIELab	73.00, -73.84, 71.35
CIELCh	73, 102.674, 135.982
Yxy	45.1644, 0.3002, 0.5998
Android (android.graphics.Color)	4278374400 (0xFF02D000)
YUV	122.6940, -60.4881, -105.8486
Hunter-Lab	67.2044, -57.5662, 40.3979

Details

The CIELCh color **73, 102.674, 135.982** 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 **49, 99.160, 327.818**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 97.405, 135.883**, and **55, 81.411, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 102.699, 135.979**, and if you desaturate by 10%, it is **73, 100.033, 136.351**.

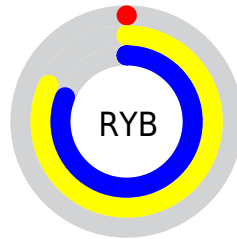
Distribution



Red (1%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (81%)

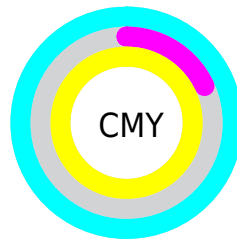


Cyan (99%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (99%)


Magenta (18%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 102.674, 135.982 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 73, 102.674, 135.982 by changing the saturation by 10% instead.


 73, 102.674,
135.982


 73, 102.674,
135.982


 100, 102.674,
135.982


 63, 102.674,
135.982


 93, 102.674,
135.982

 53, 102.674,
135.982

 43, 102.674,
135.982

 33, 102.674,
135.982

 23, 102.674,
135.982

 13, 102.674,
135.982

 3, 102.674,

135.982

■ 0, 102.674,
135.982

■ 73, 102.674,
135.982

■ 73, 102.674,
135.982

■ 73, 102.699,
135.979

■ 73, 100.033,
136.351

■ 73, 94.924,
137.026

■ 74, 87.213,
137.981

■ 75, 77.379,
139.071

■ 76, 65.970,
140.169

■ 77, 53.484,
141.196

■ 78, 40.334,
142.115

■ 80, 26.851,
142.917

■ 82, 13.290,
143.611

Harmonies

Complementary

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



73, 102.674, 135.982



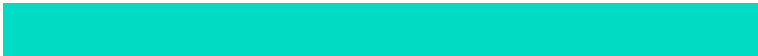
49, 99.160, 327.818

Rectangle

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



73, 102.674, 135.982



73, 102.674, 185.982



73, 102.674, 315.982



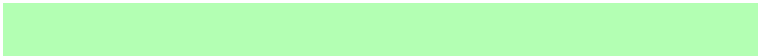
73, 102.674, 5.982

Sweetspot

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



73, 102.673, 135.983



94, 47.745, 142.075



80, 82.081, 101.793



49, 32.506, 141.695



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 102.673, 135.983



88, 119.731, 135.987



74, 77.968, 148.149



43, 7.655, 143.642



60, 87.686, 135.968



13, 30.440, 141.873

Inverse Universe

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



49, 99.160, 327.818



60, 115.617, 327.814



45, 72.855, 0.743



41, 7.668, 324.653



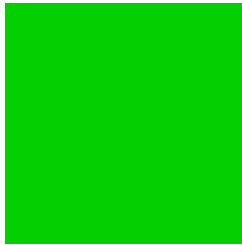
40, 84.695, 327.825



6, 31.030, 327.449

Previews

White Background



This preview shows how the CIE LCh color 73, 102.674, 135.982 looks on a white background.

Color Contrast Check

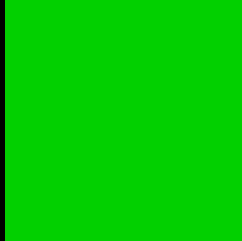
Large Text (above 18pt) WCAG AA × Fail

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 73, 102.674, 135.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

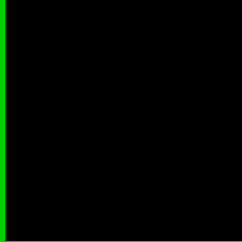
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 102.674, 135.982

Background



This preview shows how black text looks on a background with the CIELCh color 73, 102.674, 135.982.



This preview shows how white text looks on a background with the CIELCh color 73, 102.674, 135.982.

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

73, 102.674, 135.982

Protanopia

72, 74.713, 95.192

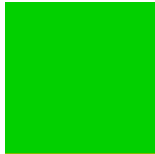
Deuteranopia

72, 67.039, 82.334



Tritanopia
73, 31.027, 213.741

Trichromacy



Original Color

73, 102.674, 135.982



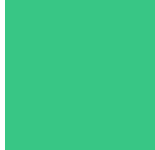
Protanomaly

70, 82.193, 120.984



Deuteranomaly

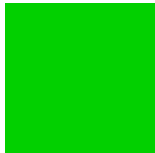
69, 73.606, 116.793



Tritanomaly

72, 56.795, 157.170

Monochromacy



Original Color

73, 102.674, 135.982



Achromatopsia

52, 0.007, 296.813



Achromatomaly

57, 51.177, 140.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 102.674, 135.982 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(2, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 208, 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(2, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 208, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 102.674, 135.982 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(2, 208, 0) }
```

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

```
.border{ border-color:rgb(2, 208, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 208, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 208, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 208, 0); box-shadow:4px  
4px 4px 4px rgb(2, 208, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 102.674, 135.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 208, 0) }
```

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

```
.background{ background-color: rgb(2, 208,  
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](#).

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