

Converting Colors

CIELCh(72, 100.020, 135.125)

Have a look what the booklet for
CIELCh(72, 100.020, 135.125)
contains.

CIELCh(72, 99.921, 135.151)	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(72, 99.921, 135.151)

Conversions

Conversions Part 1

Format	Color
Hex	22CC02
RGB	34, 204, 2
RGB Percent	13%, 80%, 1%
CMY	0.8680, 0.1989, 0.9929
CMYK	0.84, 0.00, 0.99, 0.20
HSL	111°, 98%, 40%
HSV	111°, 99%, 80%
XYZ	22.3185, 43.6590, 7.3018
YIQ	130.1420, -36.4780, -98.8620

Conversions

Conversions Part 2

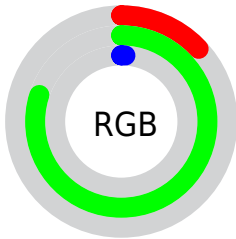
Format	Color
R _Y B	2, 204, 172
Decimal	2280450
CIE Lab	72.00, -70.84, 70.47
CIE LCh	72, 99.921, 135.151
Yxy	43.6590, 0.3046, 0.5958
Android (android.graphics.Color)	4280470530 (0xFF22CC02)
YUV	130.1420, -63.1740, -84.3165
Hunter-Lab	66.0750, -55.3383, 39.7004

Details

The CIELCh color **72, 99.921, 135.151** 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 **43, 98.869, 322.224**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.417, 135.071**, and **53, 79.838, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 100.171, 135.158**, and if you desaturate by 10%, it is **72, 96.479, 134.983**.

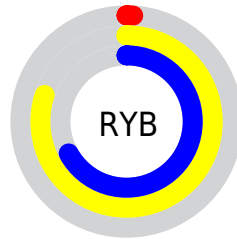
Distribution



Red (13%)

Green (80%)

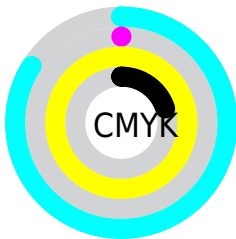
Blue (1%)



Red (1%)

Yellow (80%)

Blue (67%)

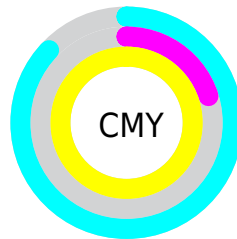


Cyan (84%)

Magenta (0%)

Yellow (99%)

Black (20%)



Cyan (87%)


Magenta (20%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 99.921, 135.151 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 72, 99.921, 135.151 by changing the saturation by 10% instead.


 72, 99.921,
135.151


 72, 99.921,
135.151


 100, 99.921,
135.151


 62, 99.921,
135.151


 92, 99.921,
135.151

 52, 99.921,
135.151

 42, 99.921,
135.151

 32, 99.921,
135.151

 22, 99.921,
135.151

 12, 99.921,
135.151

 2, 99.921, 135.151

■ 0, 99.921, 135.151

■ 72, 99.921,
135.151

■ 72, 99.921,
135.151

■ 72, 100.171,
135.158

■ 72, 96.479,
134.983

■ 73, 90.650,
135.135

■ 73, 82.518,
135.610

■ 74, 72.598,
136.280

■ 75, 61.420,
137.026

■ 76, 49.423,
137.770

■ 77, 36.947,
138.465

■ 79, 24.247,
139.094

■ 81, 11.514,
139.654

Harmonies

Complementary

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



72, 99.921, 135.151



43, 98.869, 322.224

Rectangle

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



72, 99.921, 135.151



72, 99.921, 185.151



72, 99.921, 315.151



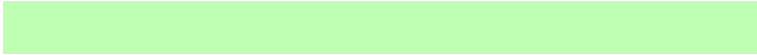
72, 99.921, 5.151

Sweetspot

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



72, 99.920, 135.152



94, 45.561, 138.381



71, 73.283, 90.726



50, 31.038, 138.087



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 99.920, 135.152



88, 118.541, 135.254



72, 87.423, 142.225



42, 7.156, 139.639



59, 85.621, 135.041



12, 27.384, 139.758

Inverse Universe

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



43, 98.869, 322.224



54, 117.133, 322.118



45, 76.389, 347.396



40, 7.189, 320.482



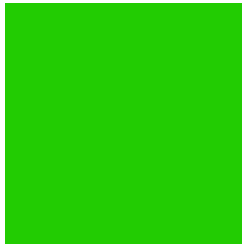
35, 84.799, 322.277



4, 27.423, 321.237

Previews

White Background



This preview shows how the CIELCh color 72, 99.921, 135.151 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 72, 99.921, 135.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

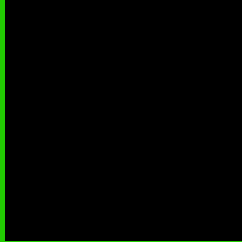
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 99.921, 135.151

Background



This preview shows how black text looks on a background with the CIELCh color 72, 99.921, 135.151.



This preview shows how white text looks on a background with the CIELCh color 72, 99.921, 135.151.

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
72, 99.772, 135.140

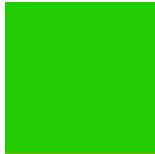
Protanopia
71, 73.802, 95.071

Deuteranopia
71, 66.340, 82.022



Tritanopia
72, 29.607, 213.548

Trichromacy



Original Color
72, 99.772, 135.140



Protanomaly
70, 79.548, 117.824



Deuteranomaly
69, 71.446, 113.137



Tritanomaly
71, 54.013, 155.658

Monochromacy



Original Color
72, 99.772, 135.140



Achromatopsia
54, 0.007, 296.813



Achromatomaly
59, 47.668, 137.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 99.921, 135.151 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(34, 204, 2)` looks like.

```
.text, #text, p{  
    color:rgb(34, 204, 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(34, 204, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 204, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 99.921, 135.151 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(34, 204, 2) }
```

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

```
.border{ border-color:rgb(34, 204, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 204, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 204, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 204, 2);  
box-shadow:4px 4px 4px 4px rgb(34, 204, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 99.921, 135.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 204, 2) }
```

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

```
.background{ background-color: rgb(34, 204,  
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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