

Converting Colors

CIELCh(72, 100.277, 135.324)

Have a look what the booklet for
CIELCh(72, 100.277, 135.324)
contains.

CIELCh(72, 100.153, 135.324)	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(72, 100.153, 135.324)

Conversions

Conversions Part 1

Format	Color
Hex	1ECC02
RGB	30, 204, 2
RGB Percent	12%, 80%, 1%
CMY	0.8823, 0.1984, 0.9916
CMYK	0.85, 0.00, 0.99, 0.20
HSL	112°, 98%, 40%
HSV	112°, 99%, 80%
XYZ	22.2367, 43.6590, 7.3156
YIQ	128.9460, -38.8620, -99.7100

Conversions

Conversions Part 2

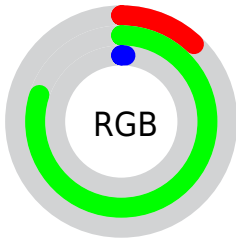
Format	Color
RYB	2, 204, 176
Decimal	2018306
CIELab	72.00, -71.22, 70.42
CIElCh	72, 100.153, 135.324
Yxy	43.6590, 0.3037, 0.5963
Android (android.graphics.Color)	4280208386 (0xFF1ECC02)
YUV	128.9460, -62.5844, -86.7756
Hunter-Lab	66.0750, -55.5593, 39.6881

Details

The CIELCh color **72, 100.153, 135.324** 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 **44, 98.648, 322.940**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.561, 135.192**, and **53, 79.838, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 100.439, 135.325**, and if you desaturate by 10%, it is **72, 96.764, 135.230**.

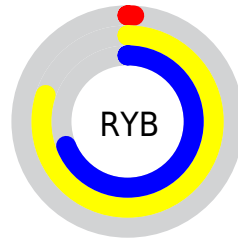
Distribution



Red (12%)

Green (80%)

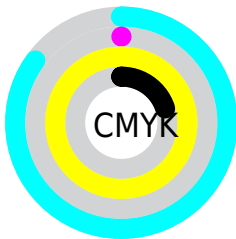
Blue (1%)



Red (1%)

Yellow (80%)

Blue (69%)

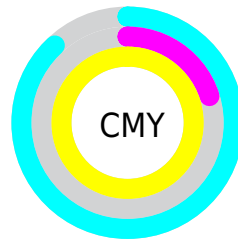


Cyan (85%)

Magenta (0%)

Yellow (99%)

Black (20%)



Cyan (88%)


Magenta (20%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 100.153, 135.324 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, 100.153, 135.324 by changing the saturation by 10% instead.


 72, 100.153,
135.324


 72, 100.153,
135.324


 100, 100.153,
135.324


 62, 100.153,
135.324


 92, 100.153,
135.324

 52, 100.153,
135.324

 42, 100.153,
135.324

 32, 100.153,
135.324

 22, 100.153,
135.324

 12, 100.153,
135.324

 2, 100.153,

135.324

■ 0, 100.153,
135.324

■ 72, 100.153,
135.324

■ 72, 100.153,
135.324

■ 72, 100.439,
135.325

■ 72, 96.764,
135.230

■ 73, 90.948,
135.456

■ 73, 82.804,
135.994

■ 74, 72.849,
136.716

■ 75, 61.615,
137.503

■ 76, 49.546,
138.278

■ 77, 36.988,
138.997

■ 79, 24.202,
139.643

■ 81, 11.383,
140.216

Harmonies

Complementary

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



72, 100.153, 135.324



44, 98.648, 322.940

Rectangle

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



72, 100.153, 135.324



72, 100.153, 185.324



72, 100.153, 315.324



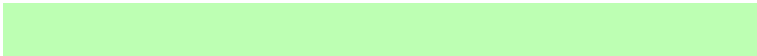
72, 100.153, 5.324

Sweetspot

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



72, 100.152, 135.325



94, 45.842, 138.898



72, 73.957, 92.116



49, 31.228, 138.595



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, 100.152, 135.325



88, 118.791, 135.411



72, 86.254, 142.827



42, 7.200, 140.192



59, 85.824, 135.218



12, 27.541, 140.165

Inverse Universe

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



44, 98.648, 322.940



54, 116.850, 322.841



45, 75.694, 348.676



40, 7.230, 321.053



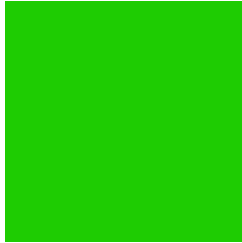
35, 84.602, 322.982



4, 27.629, 322.052

Previews

White Background



This preview shows how the CIELCh color 72, 100.153, 135.324 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, 100.153, 135.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

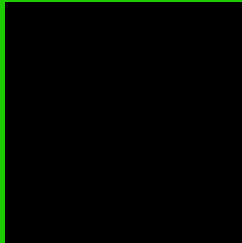
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 100.153, 135.324

Background



This preview shows how black text looks on a background with the CIELCh color 72, 100.153, 135.324.



This preview shows how white text looks on a background with the CIELCh color 72, 100.153,

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

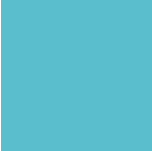
72, 100.010, 135.318

Protanopia

71, 73.802, 95.071

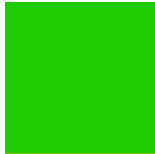
Deuteranopia

71, 66.340, 82.022



Tritanopia
72, 29.801, 213.428

Trichromacy



Original Color

72, 100.010, 135.318



Protanomaly

70, 79.792, 118.372



Deuteranomaly

69, 71.531, 113.471



Tritanomaly

71, 54.320, 155.893

Monochromacy



Original Color

72, 100.010, 135.318



Achromatopsia

54, 0.007, 296.813



Achromatomaly

59, 47.458, 137.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 100.153, 135.324 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(30, 204, 2)` looks like.

```
.text, #text, p{  
    color:rgb(30, 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(30, 204, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 204, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 100.153, 135.324 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(30, 204, 2) }
```

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

```
.border{ border-color:rgb(30, 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(30, 204, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 204, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 204, 2);  
box-shadow:4px 4px 4px 4px rgb(30, 204, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 100.153, 135.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 204, 2) }
```

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

```
.background{ background-color: rgb(30, 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](#).

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