

Converting Colors

CIELCh(72, 98.502, 133.955)

Have a look what the booklet for
CIELCh(72, 98.502, 133.955)
contains.

CIELCh(72, 98.154, 133.961)	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, 98.154, 133.961)

Conversions

Conversions Part 1

Format	Color
Hex	35CB01
RGB	53, 203, 1
RGB Percent	21%, 80%, 0%
CMY	0.7935, 0.2023, 0.9954
CMYK	0.74, 0.00, 0.99, 0.20
HSL	105°, 99%, 40%
HSV	105°, 99%, 80%
XYZ	22.9109, 43.6590, 7.2523
YIQ	135.1220, -24.5580, -94.6220

Conversions

Conversions Part 2

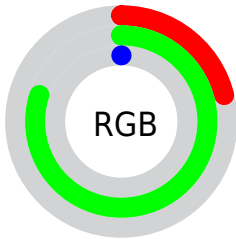
Format	Color
RYB	1, 203, 151
Decimal	3525377
CIELab	72.00, -68.14, 70.65
CIELCh	72, 98.154, 133.961
Yxy	43.6590, 0.3104, 0.5914
Android (android.graphics.Color)	4281715457 (0xFF35CB01)
YUV	135.1220, -66.1221, -72.0210
Hunter-Lab	66.0750, -53.7379, 39.7449

Details

The CIELCh color **72, 98.154, 133.961** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **40, 100.050, 318.813**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.948, 133.793**, and **53, 79.444, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 98.338, 133.986**, and if you desaturate by 10%, it is **72, 94.449, 133.451**.

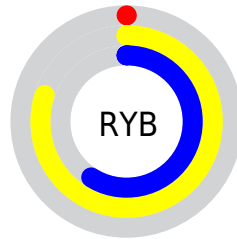
Distribution



Red (21%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (59%)

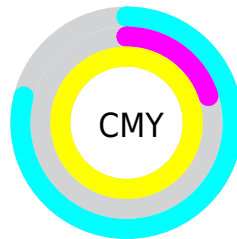


Cyan (74%)

Magenta (0%)

Yellow (99%)

Black (20%)



Cyan (79%)


Magenta (20%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 98.154, 133.961 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, 98.154, 133.961 by changing the saturation by 10% instead.


 72, 98.154,
133.961


 72, 98.154,
133.961


 100, 98.154,
133.961


 62, 98.154,
133.961


 92, 98.154,
133.961

 52, 98.154,
133.961

 42, 98.154,
133.961

 32, 98.154,
133.961

 22, 98.154,
133.961

 12, 98.154,
133.961

 2, 98.154, 133.961

■ 0, 98.154, 133.961

■ 72, 98.154,
133.961

■ 72, 98.154,
133.961

■ 72, 98.338,
133.986

■ 72, 94.449,
133.451

■ 73, 88.530,
133.287

■ 73, 80.445,
133.490

■ 74, 70.699,
133.935

■ 75, 59.800,
134.502

■ 76, 48.162,
135.107

■ 77, 36.096,
135.699

■ 79, 23.828,
136.252

■ 80, 11.521,
136.756

Harmonies

Complementary

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



72, 98.154, 133.961



40, 100.050, 318.813

Rectangle

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



72, 98.154, 133.961



72, 98.154, 183.961



72, 98.154, 313.961



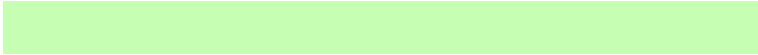
72, 98.154, 3.961

Sweetspot

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



72, 98.153, 133.962



95, 44.199, 135.644



65, 70.206, 81.838



50, 30.113, 135.393



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, 98.153, 133.962



88, 116.810, 134.132



72, 93.327, 139.286



42, 6.949, 136.757



60, 84.277, 133.820



12, 26.612, 137.648

Inverse Universe

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



40, 100.050, 318.813



50, 118.890, 318.670



46, 81.338, 340.279



40, 6.997, 317.535



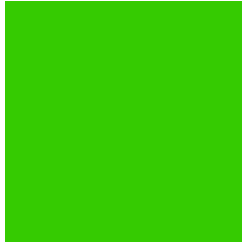
32, 86.015, 318.906



4, 26.384, 316.967

Previews

White Background



This preview shows how the CIELCh color 72, 98.154, 133.961 looks on a white background.

Color Contrast Check

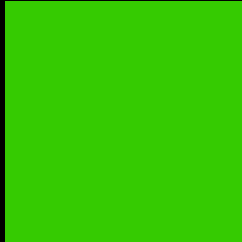
Large Text (above 18pt) WCAG AA × Fail

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, 98.154, 133.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

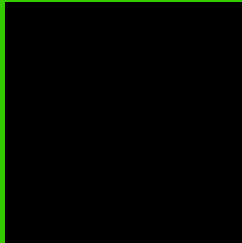
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 98.154, 133.961

Background



This preview shows how black text looks on a background with the CIELCh color 72, 98.154, 133.961.



This preview shows how white text looks on a background with the CIELCh color 72, 98.154, 133.961.

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, 97.971, 133.920

Protanopia
71, 73.802, 95.071

Deuteranopia
71, 66.340, 82.022



Tritanopia
72, 27.975, 214.638

Trichromacy



Original Color
72, 97.971, 133.920



Protanomaly
70, 78.457, 115.588



Deuteranomaly
70, 71.152, 110.710



Tritanomaly
71, 51.853, 153.831

Monochromacy



Original Color
72, 97.971, 133.920



Achromatopsia
56, 0.007, 296.813



Achromatomaly
61, 46.198, 134.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 98.154, 133.961 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(53, 203, 1)` looks like.

```
.text, #text, p{  
    color:rgb(53, 203, 1)  
}
```

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(53, 203, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 203, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 98.154, 133.961 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(53, 203, 1) }
```

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

```
.border{ border-color:rgb(53, 203, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 203, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 203, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 203, 1);  
box-shadow:4px 4px 4px 4px rgb(53, 203, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 98.154, 133.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 203, 1) }
```

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

```
.background{ background-color: rgb(53, 203,  
1) }
```

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