

Converting Colors

CIELCh(72, 98.114, 133.799)

Have a look what the booklet for
CIELCh(72, 98.114, 133.799)
contains.

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Color

CIELCh(72, 97.964, 133.808)

Conversions

Conversions Part 1

Format	Color
Hex	36CB01
RGB	54, 203, 1
RGB Percent	21%, 80%, 0%
CMY	0.7863, 0.2027, 0.9965
CMYK	0.73, 0.00, 1.00, 0.20
HSL	104°, 99%, 40%
HSV	104°, 100%, 80%
XYZ	22.9818, 43.6590, 7.2404
YIQ	135.4210, -23.9620, -94.4100

Conversions

Conversions Part 2

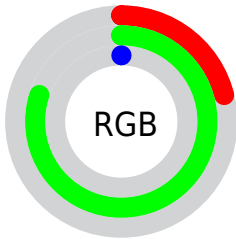
Format	Color
RYB	1, 203, 150
Decimal	3590913
CIELab	72.00, -67.81, 70.70
CIELCh	72, 97.964, 133.808
Yxy	43.6590, 0.3111, 0.5909
Android (android.graphics.Color)	4281780993 (0xFF36CB01)
YUV	135.4210, -66.2696, -71.4062
Hunter-Lab	66.0750, -53.5465, 39.7556

Details

The CIELCh color **72, 97.964, 133.808** 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 **39, 100.226, 318.467**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.798, 133.657**, and **53, 79.444, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 98.104, 133.829**, and if you desaturate by 10%, it is **72, 94.257, 133.265**.

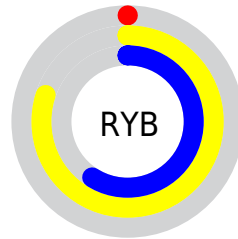
Distribution



Red (21%)

Green (80%)

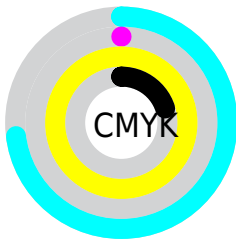
Blue (0%)



Red (0%)

Yellow (80%)

Blue (59%)

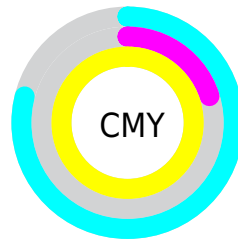


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (79%)

Magenta (20%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 97.964, 133.808 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, 97.964, 133.808 by changing the saturation by 10% instead.

 72, 97.964,
133.808

 72, 97.964,
133.808


 100, 97.964,
133.808

 62, 97.964,
133.808

 92, 97.964,
133.808

 52, 97.964,
133.808

 42, 97.964,
133.808

 32, 97.964,
133.808

 22, 97.964,
133.808

 12, 97.964,
133.808

 2, 97.964, 133.808

■ 0, 97.964, 133.808

■ 72, 97.964,
133.808

■ 72, 97.964,
133.808

■ 72, 98.104,
133.829

■ 72, 94.257,
133.265

■ 73, 88.364,
133.067

■ 73, 80.313,
133.241

■ 74, 70.606,
133.663

■ 75, 59.750,
134.214

■ 76, 48.159,
134.806

■ 77, 36.140,
135.390

■ 79, 23.917,
135.936

■ 80, 11.654,
136.436

Harmonies

Complementary

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



72, 97.964, 133.808



39, 100.226, 318.467

Rectangle

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



72, 97.964, 133.808



72, 97.964, 183.808



72, 97.964, 313.808



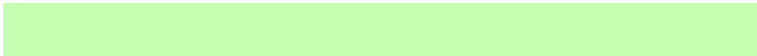
72, 97.964, 3.808

Sweetspot

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



72, 97.963, 133.809



95, 44.061, 135.342



65, 70.211, 81.811



50, 30.019, 135.096



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, 97.963, 133.809



88, 116.583, 133.979



72, 93.355, 139.266



42, 6.928, 136.444



60, 84.105, 133.658



12, 26.533, 137.420

Inverse Universe

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



39, 100.226, 318.467



49, 119.104, 318.328



46, 81.316, 340.297



40, 6.978, 317.217



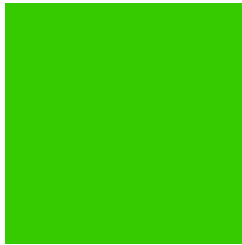
32, 86.163, 318.570



4, 26.276, 316.501

Previews

White Background



This preview shows how the CIELCh color 72, 97.964, 133.808 looks on a white background.

Color Contrast Check

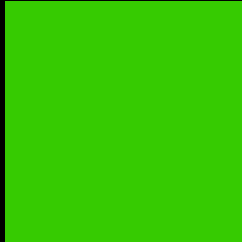
Large Text (above 18pt) WCAG AA × Fail

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, 97.964, 133.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

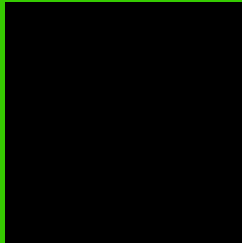
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 97.964, 133.808

Background



This preview shows how black text looks on a background with the CIELCh color 72, 97.964, 133.808.

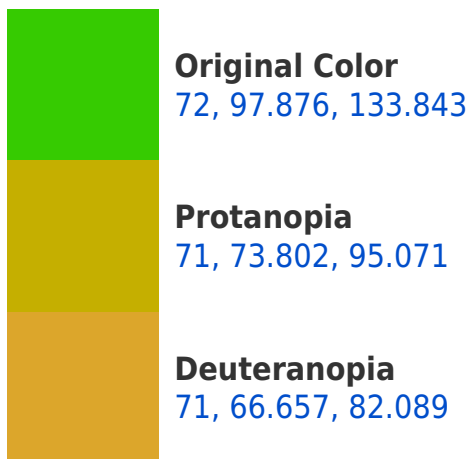


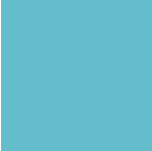
This preview shows how white text looks on a background with the CIELCh color 72, 97.964, 133.808.

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





Tritanopia
72, 27.765, 214.786

Trichromacy



Original Color
72, 97.876, 133.843



Protanomaly
70, 78.457, 115.588



Deuteranomaly
70, 71.089, 110.365



Tritanomaly
71, 51.674, 153.675

Monochromacy



Original Color
72, 97.876, 133.843



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 45.553, 134.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 97.964, 133.808 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(54, 203, 1)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 203, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 203, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 97.964, 133.808 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(54, 203, 1) }
```

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

```
.border{ border-color:rgb(54, 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(54, 203, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 203, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 203, 1);  
box-shadow:4px 4px 4px 4px rgb(54, 203, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 97.964, 133.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 203, 1) }
```

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

```
.background{ background-color: rgb(54, 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](#).

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