

Converting Colors

CIELCh(72, 96.948, 132.662)

Have a look what the booklet for
CIELCh(72, 96.948, 132.662)
contains.

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Color

CIELCh(72, 96.812, 132.851)

Conversions

Conversions Part 1

Format	Color
Hex	41CB00
RGB	65, 203, 0
RGB Percent	25%, 80%, 0%
CMY	0.7469, 0.2052, 1.0000
CMYK	0.68, 0.00, 1.00, 0.21
HSL	101°, 100%, 40%
HSV	101°, 100%, 79%
XYZ	23.4214, 43.6590, 7.1660
YIQ	138.5960, -17.0850, -92.3890

Conversions

Conversions Part 2

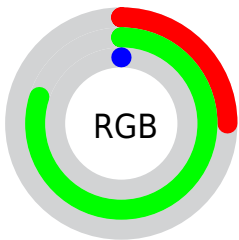
Format	Color
RYB	0, 203, 138
Decimal	4311808
CIELab	72.00, -65.84, 70.98
CIELCh	72, 96.812, 132.851
Yxy	43.6590, 0.3155, 0.5880
Android (android.graphics.Color)	4282501888 (0xFF41CB00)
YUV	138.5960, -68.3278, -64.5437
Hunter-Lab	66.0750, -52.3589, 39.8223

Details

The CIELCh color **72, 96.812, 132.851** 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 **37, 101.107, 316.725**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.055, 132.552**, and **53, 79.444, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 96.731, 132.883**, and if you desaturate by 10%, it is **72, 92.997, 132.180**.

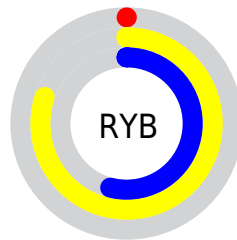
Distribution



Red (25%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (54%)

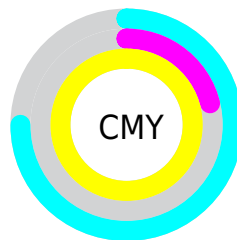


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (75%)


Magenta (21%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 96.812, 132.851 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, 96.812, 132.851 by changing the saturation by 10% instead.


 72, 96.812,
132.851


 72, 96.812,
132.851


 100, 96.812,
132.851


 62, 96.812,
132.851


 92, 96.812,
132.851

 52, 96.812,
132.851

 42, 96.812,
132.851

 32, 96.812,
132.851

 22, 96.812,
132.851

 12, 96.812,
132.851

 2, 96.812, 132.851

■ 0, 96.812, 132.851

■ 72, 96.812,
132.851

■ 72, 96.812,
132.851

■ 72, 96.731,
132.883

■ 72, 92.997,
132.180

■ 73, 87.196,
131.828

■ 74, 79.290,
131.873

■ 74, 69.766,
132.190

■ 75, 59.122,
132.661

■ 76, 47.761,
133.194

■ 77, 35.983,
133.736

■ 79, 24.000,
134.253

■ 80, 11.966,
134.734

Harmonies

Complementary

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



72, 96.812, 132.851



37, 101.107, 316.725

Rectangle

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



72, 96.812, 132.851



72, 96.812, 182.851



72, 96.812, 312.851



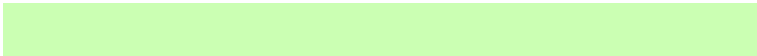
72, 96.812, 2.851

Sweetspot

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



72, 96.731, 132.883



95, 43.353, 133.714



62, 69.412, 75.446



50, 29.535, 133.484



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, 96.731, 132.883



89, 115.252, 133.058



71, 96.455, 137.816



42, 6.822, 134.762



60, 83.113, 132.692



12, 26.097, 136.114

Inverse Universe

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



37, 101.107, 316.725



47, 120.310, 316.593



46, 85.282, 336.254



40, 6.881, 315.519



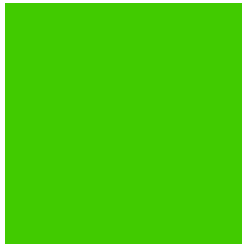
30, 86.999, 316.866



3, 25.758, 314.089

Previews

White Background



This preview shows how the CIELCh color 72, 96.812, 132.851 looks on a white background.

Color Contrast Check

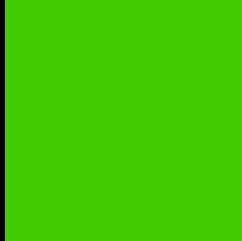
Large Text (above 18pt) WCAG AA × Fail

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, 96.812, 132.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

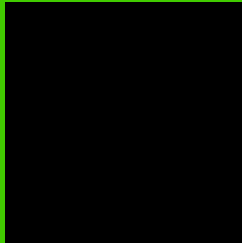
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 96.812, 132.851

Background



This preview shows how black text looks on a background with the CIELCh color 72, 96.812, 132.851.



This preview shows how white text looks on a background with the CIELCh color 72, 96.812, 132.851.

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, 96.812, 132.851

Protanopia
71, 73.802, 95.071

Deuteranopia
71, 66.657, 82.089



Tritanopia
72, 26.534, 216.981

Trichromacy



Original Color
72, 96.812, 132.851



Protanomaly
70, 78.048, 114.409



Deuteranomaly
70, 70.750, 108.970



Tritanomaly
71, 49.813, 152.693

Monochromacy



Original Color
72, 96.812, 132.851



Achromatopsia
57, 0.007, 296.813



Achromatomaly
62, 45.368, 133.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 96.812, 132.851 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(65, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 203, 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(65, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 203, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 96.812, 132.851 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(65, 203, 0) }
```

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

```
.border{ border-color:rgb(65, 203, 0) }
```

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

Here you see how a box with a 4 pixel rgb(65, 203, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 203, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 96.812, 132.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 203, 0) }
```

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

```
.background{ background-color: rgb(65, 203,  
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](#).

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