

Converting Colors

CIELCh(72, 97.844, 133.416)

Have a look what the booklet for
CIELCh(72, 97.844, 133.416)
contains.

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Color

CIELCh(72, 97.566, 133.483)

Conversions

Conversions Part 1

Format	Color
Hex	3ACB00
RGB	58, 203, 0
RGB Percent	23%, 80%, 0%
CMY	0.7720, 0.2036, 0.9989
CMYK	0.71, 0.00, 1.00, 0.20
HSL	103°, 100%, 40%
HSV	103°, 100%, 80%
XYZ	23.1317, 43.6590, 7.2150
YIQ	136.5030, -21.2570, -93.8730

Conversions

Conversions Part 2

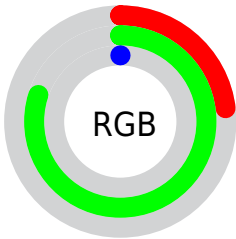
Format	Color
RYB	0, 203, 145
Decimal	3853056
CIELab	72.00, -67.14, 70.79
CIELCh	72, 97.566, 133.483
Yxy	43.6590, 0.3126, 0.5899
Android (android.graphics.Color)	4282043136 (0xFF3ACB00)
YUV	136.5030, -67.2960, -68.8471
Hunter-Lab	66.0750, -53.1415, 39.7784

Details

The CIELCh color **72, 97.566, 133.483** 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 **38, 100.599, 317.781**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.814, 133.265**, and **53, 79.444, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 97.610, 133.491**, and if you desaturate by 10%, it is **72, 93.861, 132.876**.

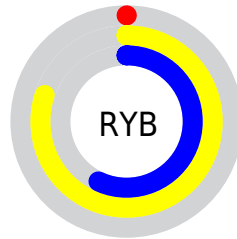
Distribution



Red (23%)

Green (80%)

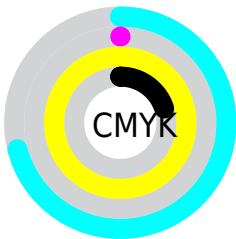
Blue (0%)



Red (0%)

Yellow (80%)

Blue (57%)

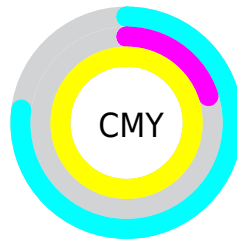


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (77%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 97.566, 133.483 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, 97.566, 133.483 by changing the saturation by 10% instead.

 72, 97.566,
133.483

 72, 97.566,
133.483

 100, 97.566,
133.483

 62, 97.566,
133.483

 92, 97.566,
133.483

 52, 97.566,
133.483

 42, 97.566,
133.483

 32, 97.566,
133.483

 22, 97.566,
133.483

 12, 97.566,
133.483

 2, 97.566, 133.483

■ 0, 97.566, 133.483

■ 72, 97.566,
133.483

■ 72, 97.566,
133.483

■ 72, 97.610,
133.491

■ 72, 93.861,
132.876

■ 73, 88.028,
132.611

■ 73, 80.053,
132.729

■ 74, 70.431,
133.107

■ 75, 59.665,
133.624

■ 76, 48.168,
134.192

■ 77, 36.244,
134.759

■ 79, 24.114,
135.294

■ 80, 11.938,
135.786

Harmonies

Complementary

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



72, 97.566, 133.483



38, 100.599, 317.781

Rectangle

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



72, 97.566, 133.483



72, 97.566, 183.483



72, 97.566, 313.483



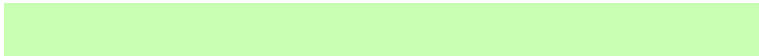
72, 97.566, 3.483

Sweetspot

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



72, 97.565, 133.484



95, 43.787, 134.729



63, 69.729, 78.631



50, 29.832, 134.489



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, 97.565, 133.484



88, 116.101, 133.651



71, 95.085, 138.474



42, 6.887, 135.808



60, 83.744, 133.312



12, 26.371, 136.943

Inverse Universe

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



38, 100.599, 317.781



49, 119.549, 317.651



46, 83.278, 338.220



40, 6.940, 316.574



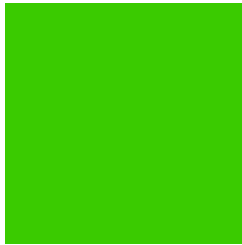
31, 86.471, 317.906



3, 26.068, 315.571

Previews

White Background



This preview shows how the CIELCh color 72, 97.566, 133.483 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, 97.566, 133.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

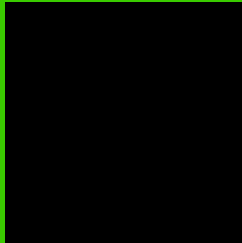
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 97.566, 133.483

Background



This preview shows how black text looks on a background with the CIELCh color 72, 97.566, 133.483.

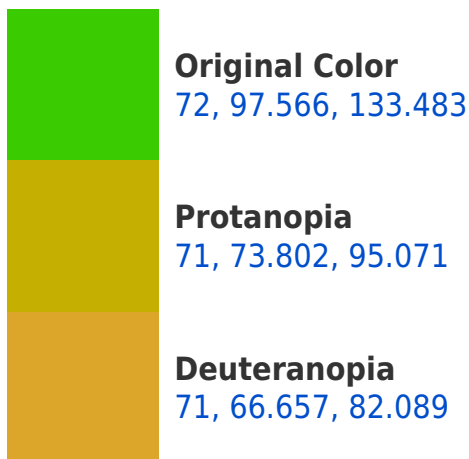


This preview shows how white text looks on a background with the CIELCh color 72, 97.566, 133.483.

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, 27.553, 214.937

Trichromacy



Original Color
72, 97.566, 133.483



Protanomaly
70, 78.248, 115.002



Deuteranomaly
69, 70.858, 109.671



Tritanomaly
71, 51.312, 153.354

Monochromacy



Original Color
72, 97.566, 133.483



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 45.780, 133.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 97.566, 133.483 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(58, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 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(58, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 203, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 97.566, 133.483 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(58, 203, 0) }
```

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

```
.border{ border-color:rgb(58, 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(58, 203, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(58, 203, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 97.566, 133.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 203, 0) }
```

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

```
.background{ background-color: rgb(58, 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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