

Converting Colors

CIELCh(88, 117.496, 134.668)

Have a look what the booklet for
CIELCh(88, 117.496, 134.668)
contains.

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Color

CIELCh(88, 117.670, 134.698)

Conversions

Conversions Part 1

Format	Color
Hex	35FF00
RGB	53, 255, 0
RGB Percent	21%, 100%, 0%
CMY	0.7908, 0.0013, 1.0000
CMYK	0.79, 0.00, 1.00, 0.00
HSL	107°, 100%, 50%
HSV	107°, 100%, 100%
XYZ	37.1302, 72.0653, 11.9170
YIQ	165.5320, -38.5370, -122.1290

Conversions

Conversions Part 2

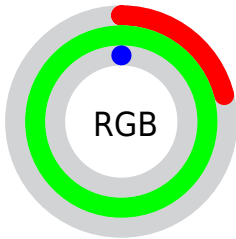
Format	Color
RYB	0, 255, 202
Decimal	3538688
CIELab	88.00, -82.77, 83.64
CIELCh	88, 117.670, 134.698
Yxy	72.0653, 0.3066, 0.5950
Android (android.graphics.Color)	4281728768 (0xFF35FF00)
YUV	165.5320, -81.6073, -98.6906
Hunter-Lab	84.8913, -70.4864, 51.1008

Details

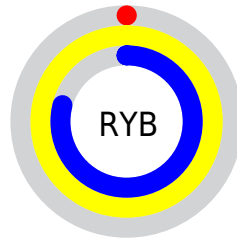
The CIELCh color **88, 117.670, 134.698** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **51, 117.889, 320.231**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.966, 133.446**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 117.593, 134.725**, and if you desaturate by 10%, it is **88, 113.874, 134.275**.

Distribution



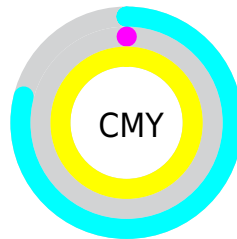
- Red (21%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (79%)



- Cyan (79%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 117.670, 134.698 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 88, 117.670, 134.698 by changing the saturation by 10% instead.


 88, 117.670,
134.698


 88, 117.670,
134.698


 100, 117.670,
134.698

 78, 117.670,
134.698


 68, 117.670,
134.698

 58, 117.670,
134.698

 48, 117.670,
134.698

 38, 117.670,
134.698

 28, 117.670,
134.698

 18, 117.670,

134.698

■ 8, 117.670,
134.698

■ 0, 117.670,
134.698

■ 88, 117.670,
134.698

■ 88, 117.670,
134.698

■ 88, 117.593,
134.725

■ 88, 113.874,
134.275

■ 89, 107.342,
134.176

■ 90, 98.021,
134.451

■ 90, 86.511,
134.974

■ 92, 73.460,
135.619

■ 93, 59.410,
136.293

■ 94, 44.773,
136.943

■ 96, 29.853,
137.541

■ 98, 14.871,
138.080

Harmonies

Complementary

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



88, 117.670, 134.698



51, 117.889, 320.231

Rectangle

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



88, 117.670, 134.698



88, 117.670, 184.698



88, 117.670, 314.698



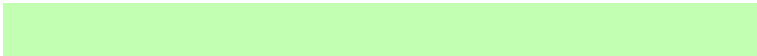
88, 117.670, 4.698

Sweetspot

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



88, 117.593, 134.725



94, 44.821, 136.943



83, 84.617, 86.032



50, 30.536, 136.674



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 117.593, 134.725



88, 117.712, 134.725



88, 108.160, 140.251



52, 8.462, 138.105



68, 94.607, 134.561



23, 42.170, 133.811

Inverse Universe

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



51, 117.889, 320.231



52, 118.008, 320.230



57, 92.877, 344.076



50, 8.511, 318.931



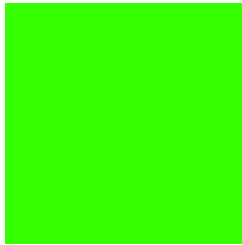
38, 94.996, 320.357



9, 43.543, 321.245

Previews

White Background



This preview shows how the CIELCh color 88, 117.670, 134.698 looks on a white background.

Color Contrast Check

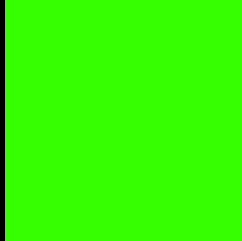
Large Text (above 18pt) WCAG AA × Fail

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 88, 117.670, 134.698 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 88, 117.670, 134.698

Background



This preview shows how black text looks on a background with the CIELCh color 88, 117.670, 134.698.



This preview shows how white text looks on a background with the CIELCh color 88, 117.670, 134.698.

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


88, 117.741, 134.744

Protanopia

87, 87.243, 95.106

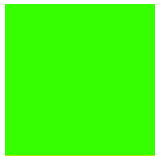
Deuteranopia

87, 38.818, 80.166



Tritanopia
88, 33.655, 214.789

Trichromacy



Original Color

88, 117.741, 134.744



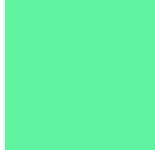
Protanomaly

85, 93.657, 117.108



Deuteranomaly

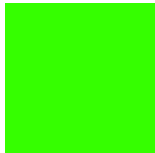
85, 69.048, 120.332



Tritanomaly

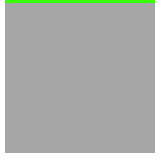
87, 63.563, 154.218

Monochromacy



Original Color

88, 117.741, 134.744



Achromatopsia

68, 0.008, 296.813



Achromatomaly

73, 56.619, 136.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 117.670, 134.698 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, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 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(53, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 117.670, 134.698 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, 255, 0) }
```

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

```
.border{ border-color:rgb(53, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(53, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 117.670, 134.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 0) }
```

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

```
.background{ background-color: rgb(53, 255,  
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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