

Converting Colors

CIELCh(88, 113.391, 136.820)

Have a look what the booklet for
CIELCh(88, 113.391, 136.820)
contains.

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Color

CIELCh(88, 113.450, 136.813)

Conversions

Conversions Part 1

Format	Color
Hex	2BFF2C
RGB	43, 255, 44
RGB Percent	17%, 100%, 17%
CMY	0.8297, 0.0009, 0.8287
CMYK	0.83, 0.00, 0.83, 0.00
HSL	120°, 100%, 58%
HSV	120°, 83%, 100%
XYZ	37.1444, 72.0653, 14.3025
YIQ	167.5580, -58.6210, -110.5650

Conversions

Conversions Part 2

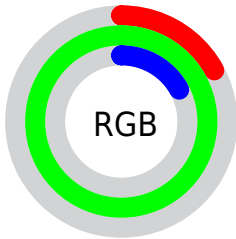
Format	Color
RYB	43, 254, 255
Decimal	2883372
CIELab	88.00, -82.72, 77.64
CIElCh	88, 113.450, 136.813
Yxy	72.0653, 0.3007, 0.5835
Android (android.graphics.Color)	4281073452 (0xFF2BFF2C)
YUV	167.5580, -60.9141, -109.2374
Hunter-Lab	84.8913, -70.4567, 49.4347

Details

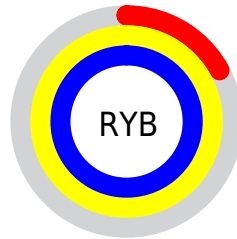
The CIELCh color **88, 113.450, 136.813** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **62, 110.233, 328.120**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 84.700, 136.660**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 118.091, 136.229**, and if you desaturate by 10%, it is **88, 105.568, 137.731**.

Distribution



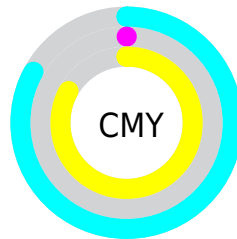
- Red (17%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (83%)
- Magenta (0%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 113.450, 136.813 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, 113.450, 136.813 by changing the saturation by 10% instead.


 88, 113.450,
136.813


 88, 113.450,
136.813


 100, 113.450,
136.813


 78, 113.450,
136.813


 68, 113.450,
136.813

 58, 113.450,
136.813

 48, 113.450,
136.813

 38, 113.450,
136.813

 28, 113.450,
136.813

 18, 113.450,

136.813

■ 8, 113.450,
136.813

■ 0, 113.450,
136.813

■ 88, 113.450,
136.813

■ 88, 113.450,
136.813

■ 88, 118.091,
136.229

■ 88, 105.568,
137.731

■ 88, 119.674,
136.022

■ 89, 94.896,
138.838

■ 90, 82.083,
139.990

■ 91, 67.759,
141.088

■ 93, 52.463,
142.079

■ 95, 36.633,
142.946

■ 97, 20.612,
143.693

■ 99, 4.657, 144.373

100, 0.160,
322.514

Harmonies

Complementary

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



88, 113.450, 136.813



62, 110.233, 328.120

Rectangle

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



88, 113.450, 136.813



88, 113.450, 186.813



88, 113.450, 316.813



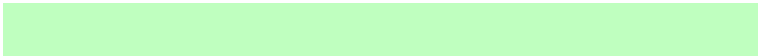
88, 113.450, 6.813

Sweetspot

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



88, 113.450, 136.814



94, 39.932, 142.778



97, 91.593, 103.226



50, 27.227, 142.479



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, 113.450, 136.814



88, 119.760, 136.022



89, 80.221, 152.486



52, 9.036, 143.927



68, 96.453, 136.025



22, 43.800, 136.798

Inverse Universe

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



62, 110.233, 328.120



60, 115.460, 328.280



57, 81.247, 356.410



50, 9.050, 324.978



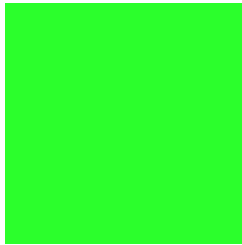
45, 92.998, 328.279



12, 42.788, 328.273

Previews

White Background



This preview shows how the CIE LCh color 88, 113.450, 136.813 looks on a white background.

Color Contrast Check

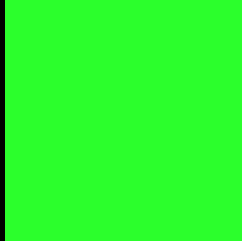
Large Text (above 18pt) WCAG AA × Fail

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, 113.450, 136.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

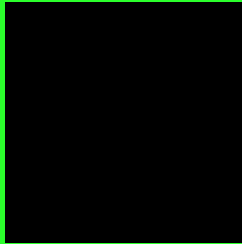
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 113.450, 136.813

Background



This preview shows how black text looks on a background with the CIELCh color 88, 113.450, 136.813.

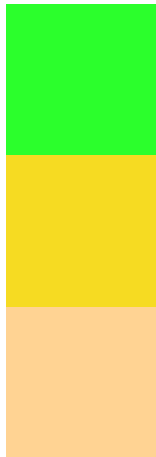


This preview shows how white text looks on a background with the CIELCh color 88, 113.450, 136.813.

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

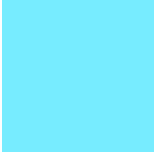
88, 113.509, 136.850

Protanopia

87, 83.020, 95.076

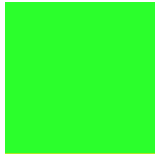
Deuteranopia

87, 38.137, 79.045



Tritanopia
88, 34.043, 214.563

Trichromacy



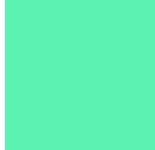
Original Color
88, 113.509, 136.850



Protanomaly
85, 89.409, 119.119

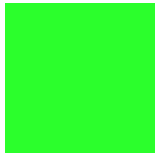


Deuteranomaly
85, 62.347, 123.540



Tritanomaly
87, 58.268, 160.236

Monochromacy



Original Color
88, 113.509, 136.850



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 50.219, 141.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 113.450, 136.813 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(43, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(43, 255, 44)  
}
```

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(43, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 255, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 113.450, 136.813 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(43, 255, 44) }
```

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

```
.border{ border-color:rgb(43, 255, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 255, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(43, 255,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 113.450, 136.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 255, 44) }
```

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

```
.background{ background-color: rgb(43, 255,  
44) }
```

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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