

Converting Colors

CIELCh(88, 116.154, 136.451)

Have a look what the booklet for
CIELCh(88, 116.154, 136.451)
contains.

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Color

CIELCh(88, 116.028, 136.462)

Conversions

Conversions Part 1

Format	Color
Hex	21FF20
RGB	33, 255, 32
RGB Percent	13%, 100%, 13%
CMY	0.8686, 0.0000, 0.8733
CMYK	0.87, 0.00, 0.87, 0.00
HSL	120°, 100%, 56%
HSV	120°, 87%, 100%
XYZ	36.7218, 72.0653, 13.3613
YIQ	163.2000, -60.7290, -116.4170

Conversions

Conversions Part 2

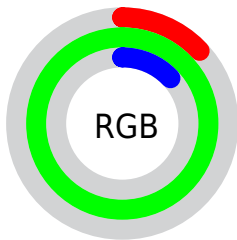
Format	Color
RYB	32, 255, 254
Decimal	2228000
CIELab	88.00, -84.11, 79.92
CIELCh	88, 116.028, 136.462
Yxy	72.0653, 0.3006, 0.5900
Android (android.graphics.Color)	4280418080 (0xFF21FF20)
YUV	163.2000, -64.6816, -114.1854
Hunter-Lab	84.8913, -71.3453, 50.0921

Details

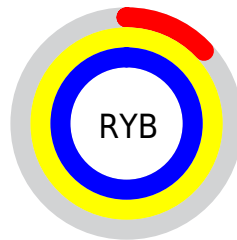
The CIELCh color **88, 116.028, 136.462** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **61, 112.468, 327.945**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.876, 136.170**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 119.211, 136.072**, and if you desaturate by 10%, it is **88, 109.453, 137.220**.

Distribution



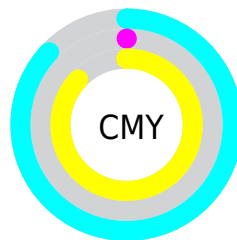
- Red (13%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 116.028, 136.462 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, 116.028, 136.462 by changing the saturation by 10% instead.


 88, 116.028,
136.462


 88, 116.028,
136.462


 100, 116.028,
136.462


 78, 116.028,
136.462

 68, 116.028,
136.462

 58, 116.028,
136.462

 48, 116.028,
136.462

 38, 116.028,
136.462

 28, 116.028,
136.462

 18, 116.028,

136.462

■ 8, 116.028,
136.462

■ 0, 116.028,
136.462

■ 88, 116.028,
136.462

■ 88, 116.028,
136.462

■ 88, 119.211,
136.072

■ 88, 109.453,
137.220

■ 88, 119.754,
136.001

■ 89, 99.908,
138.238

■ 90, 87.933,
139.366

■ 91, 74.185,
140.481

■ 92, 59.249,
141.511

■ 94, 43.604,
142.423

■ 96, 27.633,
143.214

■ 98, 11.626,
143.900

■ 100, 0.012,
296.813

Harmonies

Complementary

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



88, 116.028, 136.462



61, 112.468, 327.945

Rectangle

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



88, 116.028, 136.462



88, 116.028, 186.462



88, 116.028, 316.462



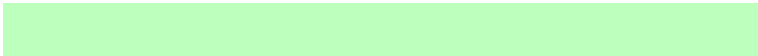
88, 116.028, 6.462

Sweetspot

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



88, 115.962, 136.463



94, 41.485, 142.536



96, 92.591, 102.119



50, 28.100, 142.239



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, 115.962, 136.463



88, 119.754, 136.001



89, 84.402, 150.706



52, 9.027, 143.758



68, 96.446, 135.995



22, 43.780, 136.702

Inverse Universe

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



61, 112.468, 327.945



60, 115.592, 328.015



57, 83.155, 356.483



50, 9.042, 324.801



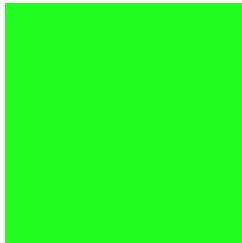
45, 93.102, 328.019



12, 42.830, 328.044

Previews

White Background



This preview shows how the CIELCh color 88, 116.028, 136.462 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, 116.028, 136.462 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, 116.028, 136.462

Background



This preview shows how black text looks on a background with the CIELCh color 88, 116.028, 136.462.

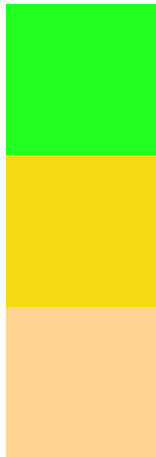


This preview shows how white text looks on a background with the CIELCh color 88, 116.028, 136.462.

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, 116.028, 136.462

Protanopia

87, 85.476, 95.097

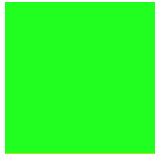
Deuteranopia

87, 39.060, 79.611



Tritanopia
87, 34.426, 214.346

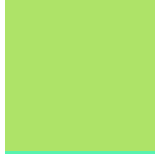
Trichromacy



Original Color
88, 116.028, 136.462



Protanomaly
85, 92.191, 119.215

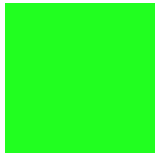


Deuteranomaly
84, 65.005, 124.060

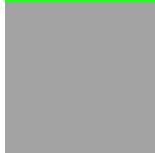


Tritanomaly
87, 60.480, 159.212

Monochromacy



Original Color
88, 116.028, 136.462



Achromatopsia
67, 0.008, 296.813



Achromatomaly
73, 52.685, 141.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 116.028, 136.462 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(33, 255, 32)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 32)  
}
```

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(33, 255, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 116.028, 136.462 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(33, 255, 32) }
```

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

```
.border{ border-color:rgb(33, 255, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 32);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 116.028, 136.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 32) }
```

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

```
.background{ background-color: rgb(33, 255,  
32) }
```

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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