

Converting Colors

CIELCh(88, 112.595, 138.500)

Have a look what the booklet for
CIELCh(88, 112.595, 138.500)
contains.

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Color

CIELCh(88, 112.516, 138.490)

Conversions

Conversions Part 1

Format	Color
Hex	09FF37
RGB	9, 255, 55
RGB Percent	4%, 100%, 22%
CMY	0.9637, 0.0000, 0.7828
CMYK	0.96, 0.00, 0.78, 0.00
HSL	131°, 100%, 52%
HSV	131°, 96%, 100%
XYZ	36.6777, 72.0653, 15.6391
YIQ	158.6460, -82.4160, -114.3520

Conversions

Conversions Part 2

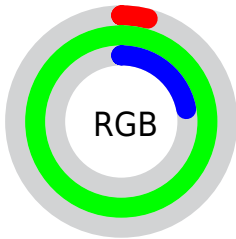
Format	Color
R_{YB}	9, 216, 255
Decimal	655159
CIE _{Lab}	88.00, -84.26, 74.57
CIE _{LCh}	88, 112.516, 138.490
Yxy	72.0653, 0.2949, 0.5794
Android (android.graphics.Color)	4278845239 (0xFF09FF37)
YUV	158.6460, -51.0975, -131.2395
Hunter-Lab	84.8913, -71.4379, 48.5012

Details

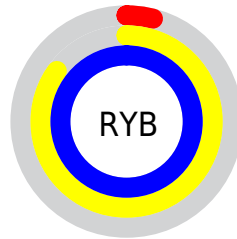
The CIELCh color **88, 112.516, 138.490** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **58, 99.484, 337.258**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 83.320, 139.428**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 114.178, 138.000**, and if you desaturate by 10%, it is **88, 106.167, 140.075**.

Distribution



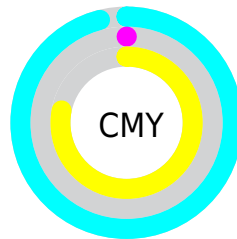
- Red (4%)
- Green (100%)
- Blue (22%)



- Red (4%)
- Yellow (85%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 112.516, 138.490 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, 112.516, 138.490 by changing the saturation by 10% instead.


 88, 112.516,
138.490


 88, 112.516,
138.490


 100, 112.516,
138.490


 78, 112.516,
138.490


 68, 112.516,
138.490

 58, 112.516,
138.490

 48, 112.516,
138.490

 38, 112.516,
138.490

 28, 112.516,
138.490

 18, 112.516,

138.490

■ 8, 112.516,
138.490

■ 0, 112.516,
138.490

■ 88, 112.516,
138.490

■ 88, 112.516,
138.490

■ 88, 114.178,
138.000

■ 88, 106.167,
140.075

■ 89, 97.959,
141.711

■ 89, 88.002,
143.289

■ 90, 76.595,
144.742

■ 91, 64.066,
146.037

■ 93, 50.743,
147.168

■ 94, 36.933,
148.147

■ 96, 22.898,
148.992

■ 99, 8.856, 149.738

Harmonies

Complementary

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



88, 112.516, 138.490



58, 99.484, 337.258

Rectangle

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



88, 112.516, 138.490



88, 112.516, 188.490



88, 112.516, 318.490



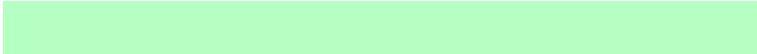
88, 112.516, 8.490

Sweetspot

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



88, 112.387, 138.498



94, 40.603, 147.903



94, 98.377, 113.715



49, 27.816, 147.487



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, 112.387, 138.498



88, 114.178, 138.000



89, 71.445, 160.887



52, 7.928, 149.509



68, 91.370, 138.271



23, 39.739, 140.660

Inverse Universe

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



58, 99.484, 337.258



58, 99.598, 337.637



54, 86.095, 18.803



50, 7.952, 330.665



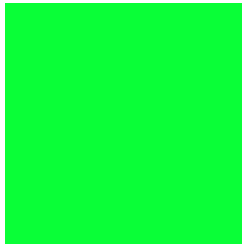
43, 80.417, 337.442



11, 37.634, 336.129

Previews

White Background



This preview shows how the CIELCh color 88, 112.516, 138.490 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, 112.516, 138.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

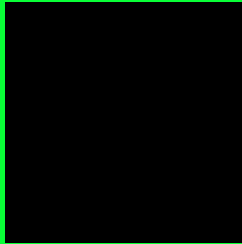
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 112.516, 138.490

Background



This preview shows how black text looks on a background with the CIELCh color 88, 112.516, 138.490.

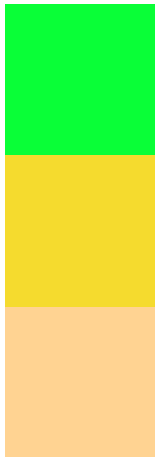


This preview shows how white text looks on a background with the CIELCh color 88, 112.516, 138.490.

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

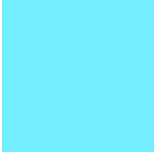
88, 112.480, 138.468

Protanopia

87, 80.178, 95.347

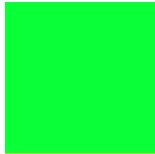
Deuteranopia

87, 38.598, 79.332



Tritanopia
88, 34.968, 213.121

Trichromacy



Original Color
88, 112.480, 138.468



Protanomaly
85, 88.564, 122.713

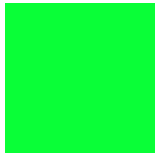


Deuteranomaly
84, 62.343, 127.971



Tritanomaly
87, 59.533, 162.771

Monochromacy



Original Color
88, 112.480, 138.468



Achromatopsia
65, 0.008, 296.813



Achromatomaly
72, 51.145, 145.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 112.516, 138.490 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(9, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 55)  
}
```

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(9, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 112.516, 138.490 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(9, 255, 55) }
```

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

```
.border{ border-color:rgb(9, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 112.516, 138.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 55) }
```

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

```
.background{ background-color: rgb(9, 255,  
55) }
```

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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