

Converting Colors

CIELCh(87, 111.374, 138.725)

Have a look what the booklet for
CIELCh(87, 111.374, 138.725)
contains.

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Color

CIELCh(87, 111.232, 138.721)

Conversions

Conversions Part 1

Format	Color
Hex	01FC38
RGB	1, 252, 56
RGB Percent	0%, 99%, 22%
CMY	0.9961, 0.0112, 0.7797
CMYK	1.00, 0.00, 0.78, 0.01
HSL	133°, 99%, 50%
HSV	133°, 100%, 99%
XYZ	35.5868, 70.0064, 15.3999
YIQ	154.6070, -86.6800, -114.1680

Conversions

Conversions Part 2

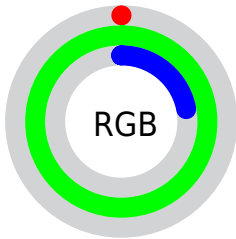
Format	Color
RYB	1, 207, 252
Decimal	130104
CIELab	87.00, -83.59, 73.38
CIELCh	87, 111.232, 138.721
Yxy	70.0064, 0.2941, 0.5786
Android (android.graphics.Color)	4278320184 (0xFF01FC38)
YUV	154.6070, -48.6133, -134.7133
Hunter-Lab	83.6698, -70.5019, 47.6562

Details

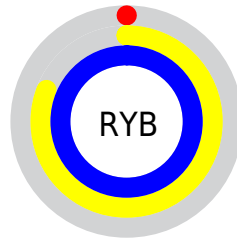
The CIELCh color **87, 111.232, 138.721** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 96.408, 339.598**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 83.634, 139.697**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 111.432, 138.664**, and if you desaturate by 10%, it is **87, 105.415, 140.374**.

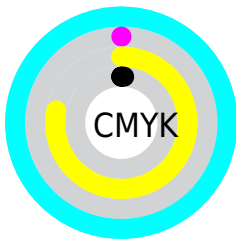
Distribution



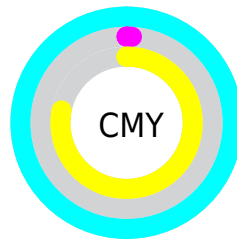
- Red (0%)
- Green (99%)
- Blue (22%)



- Red (0%)
- Yellow (81%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 111.232, 138.721 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 87, 111.232, 138.721 by changing the saturation by 10% instead.


 87, 111.232,
138.721


 87, 111.232,
138.721


 100, 111.232,
138.721


 77, 111.232,
138.721


 67, 111.232,
138.721

 57, 111.232,
138.721

 47, 111.232,
138.721

 37, 111.232,
138.721

 27, 111.232,
138.721

 17, 111.232,

138.721

■ 7, 111.232,
138.721

■ 0, 111.232,
138.721

■ 87, 111.232,
138.721

■ 87, 111.232,
138.721

■ 87, 111.432,
138.664

■ 87, 105.415,
140.374

■ 88, 97.816,
142.108

■ 88, 88.554,
143.779

■ 89, 77.864,
145.317

■ 90, 66.029,
146.688

■ 91, 53.346,
147.889

■ 93, 40.107,
148.929

■ 95, 26.574,
149.829

■ 97, 12.967,
150.614

Harmonies

Complementary

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



87, 111.232, 138.721



57, 96.408, 339.598

Rectangle

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



87, 111.232, 138.721



87, 111.232, 188.721



87, 111.232, 318.721



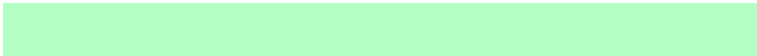
87, 111.232, 8.721

Sweetspot

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



87, 111.232, 138.722



94, 41.010, 148.889



92, 99.025, 115.802



49, 27.928, 148.466



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 111.232, 138.722



88, 112.412, 138.654



88, 68.931, 162.844



51, 7.619, 150.622



67, 88.967, 138.973



22, 37.798, 141.676

Inverse Universe

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



57, 96.408, 339.598



57, 97.232, 339.657



53, 88.127, 23.589



49, 7.645, 331.803



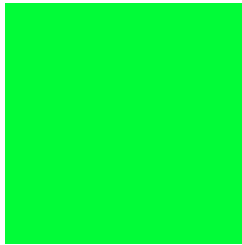
43, 77.762, 339.401



11, 35.910, 337.691

Previews

White Background



This preview shows how the CIELCh color 87, 111.232, 138.721 looks on a white background.

Color Contrast Check

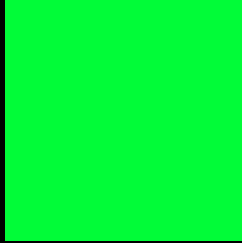
Large Text (above 18pt) WCAG AA × Fail

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 87, 111.232, 138.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

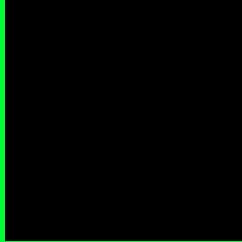
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 111.232, 138.721

Background



This preview shows how black text looks on a background with the CIELCh color 87, 111.232, 138.721.

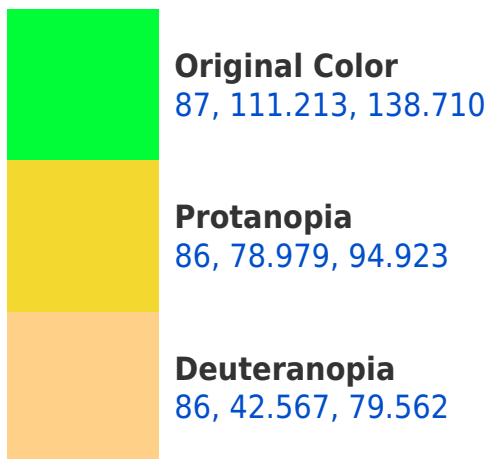


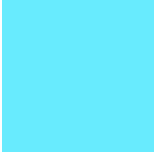
This preview shows how white text looks on a background with the CIELCh color 87, 111.232, 138.721.

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](#).

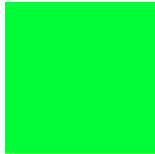
Dichromacy





Tritanopia
87, 36.564, 213.217

Trichromacy



Original Color
87, 111.213, 138.710



Protanomaly
84, 87.508, 123.258



Deuteranomaly
83, 63.717, 127.420



Tritanomaly
86, 59.304, 164.258

Monochromacy



Original Color
87, 111.213, 138.710



Achromatopsia
64, 0.008, 296.813



Achromatomaly
70, 50.844, 147.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 111.232, 138.721 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(1, 252, 56)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 56)  
}
```

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(1, 252, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 111.232, 138.721 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(1, 252, 56) }
```

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

```
.border{ border-color:rgb(1, 252, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 252, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 56);  
box-shadow:4px 4px 4px 4px rgb(1, 252, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 87, 111.232, 138.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 252, 56) }
```

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

```
.background{ background-color: rgb(1, 252,  
56) }
```

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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