

Converting Colors

CIELCh(87, 111.878, 138.514)

Have a look what the booklet for
CIELCh(87, 111.878, 138.514)
contains.

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Color

CIELCh(87, 111.691, 138.547)

Conversions

Conversions Part 1

Format	Color
Hex	01FC36
RGB	1, 252, 54
RGB Percent	0%, 99%, 21%
CMY	0.9952, 0.0111, 0.7874
CMYK	1.00, 0.00, 0.79, 0.01
HSL	133°, 99%, 50%
HSV	133°, 100%, 99%
XYZ	35.5510, 70.0064, 15.1541
YIQ	154.3790, -86.0380, -114.7900

Conversions

Conversions Part 2

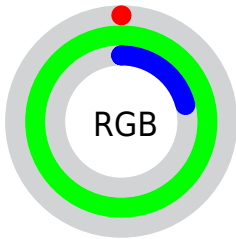
Format	Color
R_{YB}	1, 208, 252
Decimal	130102
CIE _{Lab}	87.00, -83.71, 73.94
CIE _{LCh}	87, 111.691, 138.547
Yxy	70.0064, 0.2945, 0.5799
Android (android.graphics.Color)	4278320182 (0xFF01FC36)
YUV	154.3790, -49.4868, -134.5134
Hunter-Lab	83.6698, -70.5782, 47.8304

Details

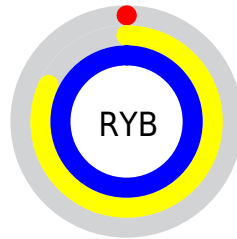
The CIELCh color **87, 111.691, 138.547** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 97.024, 339.039**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 84.008, 139.522**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 111.930, 138.480**, and if you desaturate by 10%, it is **87, 105.923, 140.164**.

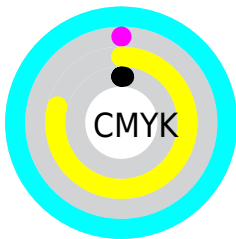
Distribution



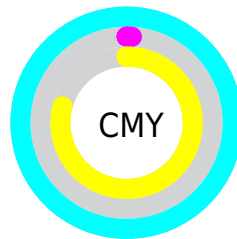
- Red (0%)
- Green (99%)
- Blue (21%)



- Red (0%)
- Yellow (82%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 111.691, 138.547 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, 111.691, 138.547 by changing the saturation by 10% instead.


 87, 111.691,
138.547


 87, 111.691,
138.547


 100, 111.691,
138.547


 77, 111.691,
138.547


 67, 111.691,
138.547

 57, 111.691,
138.547

 47, 111.691,
138.547

 37, 111.691,
138.547

 27, 111.691,
138.547

 17, 111.691,

138.547

■ 7, 111.691,
138.547

■ 0, 111.691,
138.547

■ 87, 111.691,
138.547

■ 87, 111.691,
138.547

■ 87, 111.930,
138.480

■ 87, 105.923,
140.164

■ 88, 98.321,
141.872

■ 88, 89.018,
143.526

■ 89, 78.264,
145.052

■ 90, 66.348,
146.415

■ 91, 53.577,
147.610

■ 93, 40.248,
148.645

■ 95, 26.625,
149.539

■ 97, 12.930,
150.319

Harmonies

Complementary

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



87, 111.691, 138.547



57, 97.024, 339.039

Rectangle

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



87, 111.691, 138.547



87, 111.691, 188.547



87, 111.691, 318.547



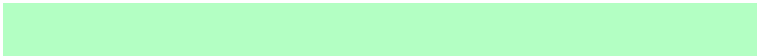
87, 111.691, 8.547

Sweetspot

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



87, 111.691, 138.548



94, 41.270, 148.597



93, 98.601, 114.878



49, 28.105, 148.175



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, 111.691, 138.548



88, 112.904, 138.470



88, 70.398, 161.505



51, 7.666, 150.321



67, 89.373, 138.780



22, 38.001, 141.443

Inverse Universe

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



57, 97.024, 339.039



58, 97.849, 339.106



53, 87.315, 22.052



49, 7.692, 331.494



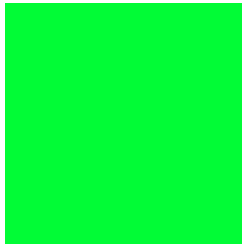
43, 78.249, 338.864



11, 36.111, 337.247

Previews

White Background



This preview shows how the CIE LCh color 87, 111.691, 138.547 looks on a white background.

Color Contrast Check

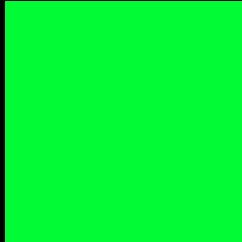
Large Text (above 18pt) WCAG AA × Fail

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, 111.691, 138.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

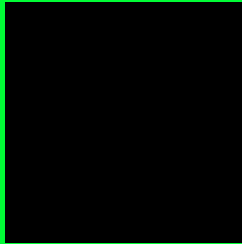
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

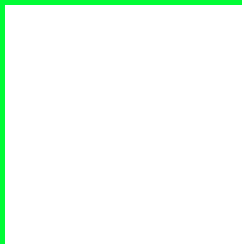
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 111.691, 138.547

Background



This preview shows how black text looks on a background with the CIELCh color 87, 111.691, 138.547.

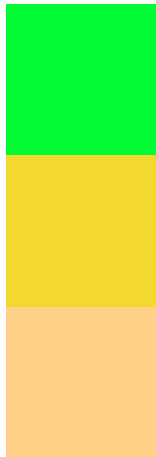


This preview shows how white text looks on a background with the CIELCh color 87, 111.691, 138.547.

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

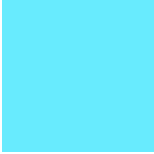
87, 111.673, 138.536

Protanopia

86, 79.506, 94.933

Deuteranopia

86, 42.567, 79.562



Tritanopia
87, 36.564, 213.217

Trichromacy



Original Color

87, 111.673, 138.536



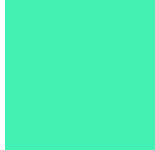
Protanomaly

84, 88.017, 123.111



Deuteranomaly

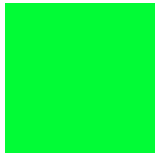
83, 64.139, 127.249



Tritanomaly

86, 59.651, 163.863

Monochromacy



Original Color

87, 111.673, 138.536



Achromatopsia

64, 0.008, 296.813



Achromatomaly

70, 51.262, 146.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 111.691, 138.547 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 111.691, 138.547 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, 54) }
```

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

```
.border{ border-color:rgb(1, 252, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 54);  
box-shadow:4px 4px 4px 4px rgb(1, 252, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 87, 111.691, 138.547 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, 54) }
```

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

```
.background{ background-color: rgb(1, 252,  
54) }
```

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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