

Converting Colors

CIELCh(86, 111.398, 138.391)

Have a look what the booklet for
CIELCh(86, 111.398, 138.391)
contains.

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Color

CIELCh(86, 111.181, 138.358)

Conversions

Conversions Part 1

Format	Color
Hex	00F933
RGB	0, 249, 51
RGB Percent	0%, 98%, 20%
CMY	1.0000, 0.0235, 0.8000
CMYK	1.00, 0.00, 0.80, 0.02
HSL	132°, 100%, 49%
HSV	132°, 100%, 98%
XYZ	34.4712, 67.9871, 14.4371
YIQ	151.9770, -84.8460, -114.3660

Conversions

Conversions Part 2

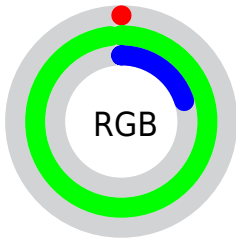
Format	Color
RYB	0, 207, 249
Decimal	63795
CIELab	86.00, -83.09, 73.88
CIELCh	86, 111.181, 138.358
Yxy	67.9871, 0.2949, 0.5816
Android (android.graphics.Color)	4278253875 (0xFF00F933)
YUV	151.9770, -49.7817, -133.2838
Hunter-Lab	82.4543, -69.6705, 47.3368

Details

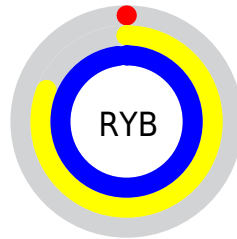
The CIELCh color **86, 111.181, 138.358** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **56, 96.574, 338.686**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 85.277, 139.140**, and **67, 96.381, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **86, 111.180, 138.358**, and if you desaturate by 10%, it is **86, 105.590, 139.930**.

Distribution



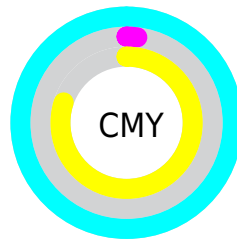
- Red (0%)
- Green (98%)
- Blue (20%)



- Red (0%)
- Yellow (81%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 111.181, 138.358 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 86, 111.181, 138.358 by changing the saturation by 10% instead.


 86, 111.181,
138.358


 86, 111.181,
138.358


 100, 111.181,
138.358


 76, 111.181,
138.358


 66, 111.181,
138.358

 56, 111.181,
138.358

 46, 111.181,
138.358

 36, 111.181,
138.358

 26, 111.181,
138.358

 16, 111.181,

138.358

■ 6, 111.181,
138.358

■ 0, 111.181,
138.358

■ 86, 111.181,
138.358

■ 86, 111.181,
138.358

■ 86, 111.180,
138.358

■ 86, 105.590,
139.930

■ 87, 98.156,
141.616

■ 87, 89.000,
143.260

■ 88, 78.376,
144.783

■ 89, 66.576,
146.149

■ 90, 53.909,
147.346

■ 92, 40.672,
148.385

■ 94, 27.133,
149.281

■ 96, 13.514,
150.063

Harmonies

Complementary

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



86, 111.181, 138.358



56, 96.574, 338.686

Rectangle

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



86, 111.181, 138.358



86, 111.181, 188.358



86, 111.181, 318.358



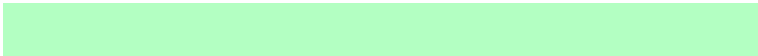
86, 111.181, 8.358

Sweetspot

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



86, 111.180, 138.358



94, 41.464, 148.381



92, 97.761, 114.908



49, 28.238, 147.961



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 111.180, 138.358



88, 113.260, 138.338



87, 69.862, 161.417



51, 7.702, 150.100



67, 89.667, 138.642



22, 38.150, 141.275

Inverse Universe

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



56, 96.574, 338.686



58, 98.314, 338.702



53, 86.674, 22.274



49, 7.727, 331.267



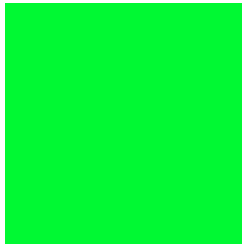
43, 78.616, 338.470



11, 36.263, 336.921

Previews

White Background



This preview shows how the CIELCh color 86, 111.181, 138.358 looks on a white background.

Color Contrast Check

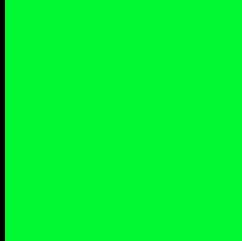
Large Text (above 18pt) WCAG AA × Fail

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 86, 111.181, 138.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

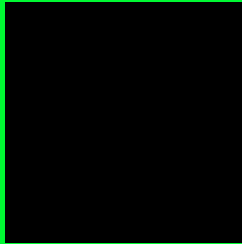
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

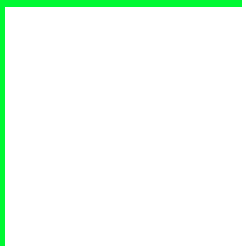
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 111.181, 138.358

Background



This preview shows how black text looks on a background with the CIELCh color 86, 111.181, 138.358.

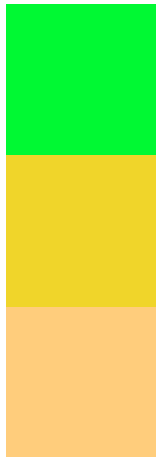


This preview shows how white text looks on a background with the CIELCh color 86, 111.181, 138.358.

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

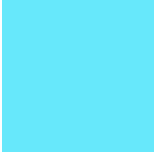
86, 111.181, 138.358

Protanopia

85, 79.269, 94.832

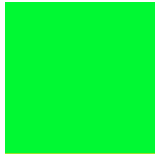
Deuteranopia

85, 47.442, 80.064



Tritanopia
86, 36.146, 213.454

Trichromacy



Original Color
86, 111.181, 138.358



Protanomaly
83, 87.684, 122.932



Deuteranomaly
82, 66.430, 125.670



Tritanomaly
85, 59.341, 163.587

Monochromacy



Original Color
86, 111.181, 138.358



Achromatopsia
63, 0.008, 296.813



Achromatomaly
69, 51.169, 146.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 111.181, 138.358 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(0, 249, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 51)  
}
```

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(0, 249, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 111.181, 138.358 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(0, 249, 51) }
```

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

```
.border{ border-color:rgb(0, 249, 51) }
```

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

Here you see how a box with a 4 pixel rgb(0, 249, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 249, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 86, 111.181, 138.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 51) }
```

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

```
.background{ background-color: rgb(0, 249,  
51) }
```

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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