

Converting Colors

CIELCh(86, 106.292, 140.385)

Have a look what the booklet for
CIELCh(86, 106.292, 140.385)
contains.

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Color

CIELCh(86, 106.147, 140.326)

Conversions

Conversions Part 1

Format	Color
Hex	00F947
RGB	0, 249, 71
RGB Percent	0%, 98%, 28%
CMY	1.0000, 0.0248, 0.7228
CMYK	1.00, 0.00, 0.72, 0.02
HSL	137°, 100%, 49%
HSV	137°, 100%, 98%
XYZ	34.8749, 67.9871, 17.1908
YIQ	154.2570, -91.2660, -108.1460

Conversions

Conversions Part 2

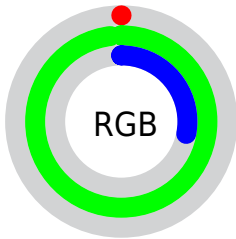
Format	Color
RYB	0, 194, 249
Decimal	63815
CIELab	86.00, -81.70, 67.77
CIELCh	86, 106.147, 140.326
Yxy	67.9871, 0.2905, 0.5663
Android (android.graphics.Color)	4278253895 (0xFF00F947)
YUV	154.2570, -41.0457, -135.2834
Hunter-Lab	82.4543, -68.7965, 45.3567

Details

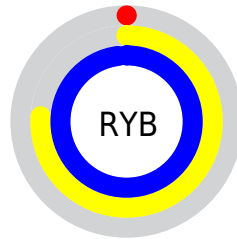
The CIELCh color **86, 106.147, 140.326** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **55, 91.187, 344.114**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 79.401, 142.206**, and **67, 96.381, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **86, 106.105, 140.301**, and if you desaturate by 10%, it is **86, 100.091, 142.193**.

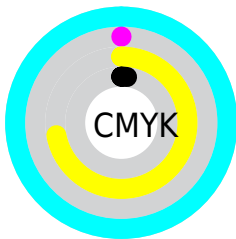
Distribution



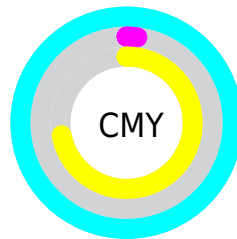
- Red (0%)
- Green (98%)
- Blue (28%)



- Red (0%)
- Yellow (76%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 106.147, 140.326 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, 106.147, 140.326 by changing the saturation by 10% instead.


 86, 106.147,
140.326


 86, 106.147,
140.326


 100, 106.147,
140.326


 76, 106.147,
140.326


 66, 106.147,
140.326

 56, 106.147,
140.326

 46, 106.147,
140.326

 36, 106.147,
140.326

 26, 106.147,
140.326

 16, 106.147,

140.326

■ 6, 106.147,
140.326

■ 0, 106.147,
140.326

■ 86, 106.147,
140.326

■ 86, 106.147,
140.326

■ 86, 106.105,
140.301

■ 86, 100.091,
142.193

■ 87, 92.657,
144.095

■ 87, 83.820,
145.875

■ 88, 73.734,
147.484

■ 89, 62.616,
148.907

■ 90, 50.713,
150.149

■ 92, 38.280,
151.226

■ 94, 25.554,
152.161

■ 96, 12.737,
152.984

Harmonies

Complementary

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



86, 106.147, 140.326



55, 91.187, 344.114

Rectangle

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



86, 106.147, 140.326



86, 106.147, 190.326



86, 106.147, 320.326



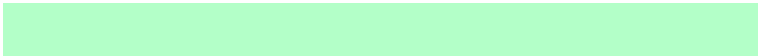
86, 106.147, 10.326

Sweetspot

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



86, 106.105, 140.301



94, 39.066, 151.222



90, 99.942, 119.321



49, 26.598, 150.786



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, 106.105, 140.301



88, 108.210, 140.274



88, 62.634, 168.804



51, 7.267, 153.023



67, 85.548, 140.646



22, 36.162, 143.631

Inverse Universe

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



55, 91.187, 344.114



57, 92.915, 344.142



52, 91.050, 29.287



49, 7.301, 334.268



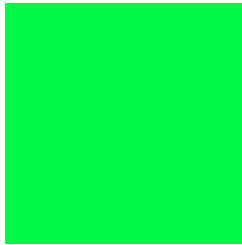
42, 74.346, 343.766



10, 34.468, 341.277

Previews

White Background



This preview shows how the CIELCh color 86, 106.147, 140.326 looks on a white background.

Color Contrast Check

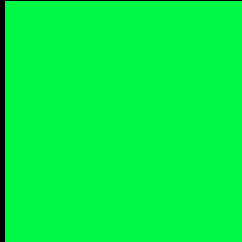
Large Text (above 18pt) WCAG AA × Fail

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, 106.147, 140.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

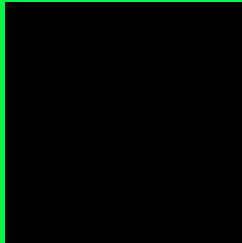
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

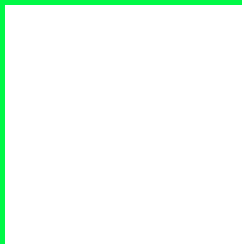
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 106.147, 140.326

Background



This preview shows how black text looks on a background with the CIELCh color 86, 106.147, 140.326.

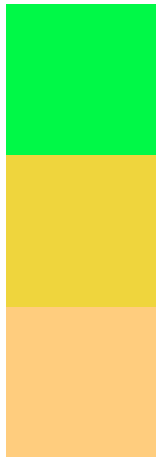


This preview shows how white text looks on a background with the CIELCh color 86, 106.147, 140.326.

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, 106.147, 140.326

Protanopia

85, 73.634, 95.035

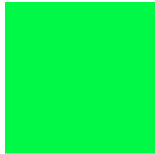
Deuteranopia

85, 46.529, 79.653



Tritanopia
86, 36.316, 213.367

Trichromacy



Original Color
86, 106.147, 140.326



Protanomaly
83, 82.199, 124.866



Deuteranomaly
82, 62.664, 127.138



Tritanomaly
85, 57.053, 166.513

Monochromacy



Original Color
86, 106.147, 140.326



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 47.797, 149.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 106.147, 140.326 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 106.147, 140.326 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, 71) }
```

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

```
.border{ border-color:rgb(0, 249, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 249, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 86, 106.147, 140.326 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, 71) }
```

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

```
.background{ background-color: rgb(0, 249,  
71) }
```

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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