

Converting Colors

CIELCh(88, 106.864, 140.782)

Have a look what the booklet for
CIELCh(88, 106.864, 140.782)
contains.

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Color

CIELCh(88, 106.884, 140.768)

Conversions

Conversions Part 1

Format	Color
Hex	02FF4D
RGB	2, 255, 77
RGB Percent	1%, 100%, 30%
CMY	0.9923, 0.0000, 0.6980
CMYK	0.99, 0.00, 0.70, 0.00
HSL	138°, 100%, 50%
HSV	138°, 99%, 100%
XYZ	37.1223, 72.0653, 18.9736
YIQ	159.0610, -93.6500, -108.9940

Conversions

Conversions Part 2

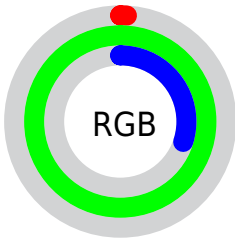
Format	Color
RYB	2, 197, 255
Decimal	196429
CIELab	88.00, -82.79, 67.60
CIELCh	88, 106.884, 140.768
Yxy	72.0653, 0.2897, 0.5623
Android (android.graphics.Color)	4278386509 (0xFF02FF4D)
YUV	159.0610, -40.4561, -137.7425
Hunter-Lab	84.8913, -70.5030, 46.1723

Details

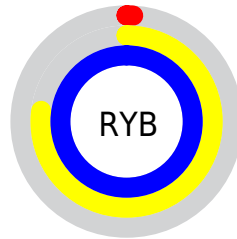
The CIELCh color **88, 106.884, 140.768** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 92.168, 344.910**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 77.155, 142.961**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 107.320, 140.630**, and if you desaturate by 10%, it is **88, 100.649, 142.717**.

Distribution



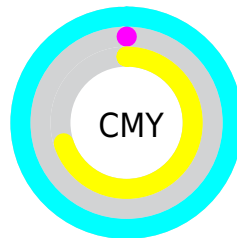
- Red (1%)
- Green (100%)
- Blue (30%)



- Red (1%)
- Yellow (77%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 106.884, 140.768 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, 106.884, 140.768 by changing the saturation by 10% instead.


 88, 106.884,
140.768


 88, 106.884,
140.768


 100, 106.884,
140.768


 78, 106.884,
140.768


 68, 106.884,
140.768

 58, 106.884,
140.768

 48, 106.884,
140.768

 38, 106.884,
140.768

 28, 106.884,
140.768

 18, 106.884,

140.768

■ 8, 106.884,
140.768

■ 0, 106.884,
140.768

■ 88, 106.884,
140.768

■ 88, 106.884,
140.768

■ 88, 107.320,
140.630

■ 88, 100.649,
142.717

■ 89, 92.996,
144.641

■ 89, 83.956,
146.429

■ 90, 73.680,
148.039

■ 91, 62.382,
149.459

■ 93, 50.310,
150.696

■ 94, 37.718,
151.770

■ 96, 24.842,
152.704

■ 98, 11.884,
153.528

Harmonies

Complementary

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



88, 106.884, 140.768



57, 92.168, 344.910

Rectangle

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



88, 106.884, 140.768



88, 106.884, 190.768



88, 106.884, 320.768



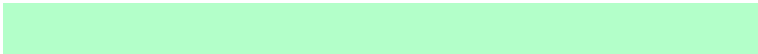
88, 106.884, 10.768

Sweetspot

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



88, 106.884, 140.768



94, 38.700, 151.693



92, 101.674, 119.259



49, 26.347, 151.254



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, 106.884, 140.768



88, 107.320, 140.630



90, 63.679, 168.924



52, 7.321, 153.506



68, 85.722, 140.990



23, 36.948, 143.863

Inverse Universe

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



57, 92.168, 344.910



57, 92.167, 345.064



54, 92.399, 28.966



50, 7.358, 334.767



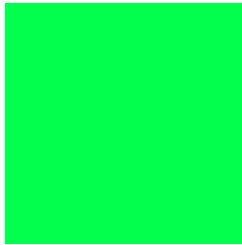
43, 74.480, 344.683



11, 35.088, 342.143

Previews

White Background



This preview shows how the CIELCh color 88, 106.884, 140.768 looks on a white background.

Color Contrast Check

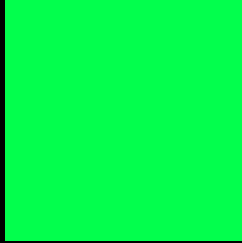
Large Text (above 18pt) WCAG AA × Fail

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, 106.884, 140.768 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

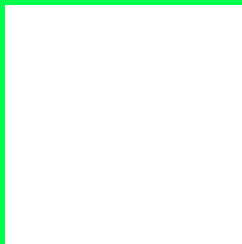
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 106.884, 140.768

Background



This preview shows how black text looks on a background with the CIELCh color 88, 106.884, 140.768.

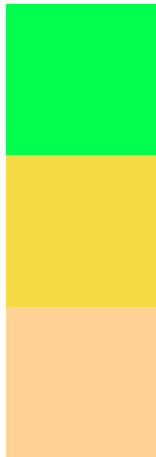


This preview shows how white text looks on a background with the CIELCh color 88, 106.884, 140.768.

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

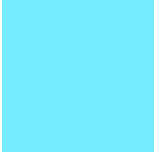
88, 106.884, 140.768

Protanopia

87, 73.772, 95.226

Deuteranopia

87, 36.758, 78.133



Tritanopia
88, 34.591, 213.319

Trichromacy



Original Color
88, 106.884, 140.768



Protanomaly
85, 82.416, 125.086



Deuteranomaly
84, 58.508, 130.824



Tritanomaly
87, 57.048, 166.140

Monochromacy



Original Color
88, 106.884, 140.768



Achromatopsia
65, 0.008, 296.813



Achromatomaly
72, 48.423, 149.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 106.884, 140.768 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(2, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 77)  
}
```

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(2, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 255, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 106.884, 140.768 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(2, 255, 77) }
```

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

```
.border{ border-color:rgb(2, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(2, 255, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 106.884, 140.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 77) }
```

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

```
.background{ background-color: rgb(2, 255,  
77) }
```

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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