

# Converting Colors

CIELCh(88, 106.772, 140.736)

Have a look what the booklet for  
CIELCh(88, 106.772, 140.736)  
contains.

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**Color**

**CIELCh(88, 106.809, 140.723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	06FF4D
RGB	6, 255, 77
RGB Percent	2%, 100%, 30%
CMY	0.9775, 0.0001, 0.6982
CMYK	0.98, 0.00, 0.70, 0.00
HSL	137°, 100%, 51%
HSV	137°, 98%, 100%
XYZ	37.1562, 72.0653, 18.9647
YIQ	160.2570, -91.2660, -108.1460

# Conversions

## Conversions Part 2

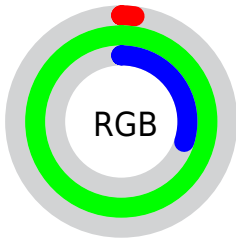
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 200, 255
Decimal	458573
CIELab	88.00, -82.68, 67.62
CIELCh	88, 106.809, 140.723
Yxy	72.0653, 0.2899, 0.5622
Android (android.graphics.Color)	4278648653 (0xFF06FF4D)
YUV	160.2570, -41.0457, -135.2834
Hunter-Lab	84.8913, -70.4318, 46.1785

# Details

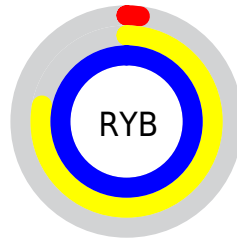
The CIELCh color **88, 106.809, 140.723** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 92.808, 343.837**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 76.992, 142.825**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 108.084, 140.320**, and if you desaturate by 10%, it is **88, 100.395, 142.656**.

# Distribution



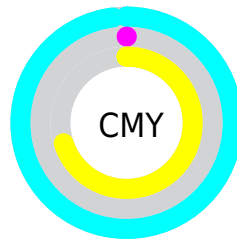
- Red (2%)
- Green (100%)
- Blue (30%)



- Red (2%)
- Yellow (78%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (98%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 106.809, 140.723 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, 106.809, 140.723 by changing the saturation by 10% instead.





 88, 106.809,  
140.723


 88, 106.809,  
140.723


 100, 106.809,  
140.723


 78, 106.809,  
140.723

 68, 106.809,  
140.723

 58, 106.809,  
140.723

 48, 106.809,  
140.723

 38, 106.809,  
140.723

 28, 106.809,  
140.723

 18, 106.809,

140.723

■ 8, 106.809,  
140.723

■ 0, 106.809,  
140.723

■ 88, 106.809,  
140.723

■ 88, 106.809,  
140.723

■ 88, 108.084,  
140.320

■ 88, 100.395,  
142.656

■ 89, 92.498,  
144.544

■ 89, 83.200,  
146.294

■ 90, 72.673,  
147.867

■ 91, 61.145,  
149.252

■ 93, 48.875,  
150.459

■ 94, 36.119,  
151.505

■ 96, 23.112,  
152.414

■ 98, 10.052,  
153.221

# Harmonies

# Complementary

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



88, 106.809, 140.723



57, 92.808, 343.837

# Rectangle

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



88, 106.809, 140.723



88, 106.809, 190.723



88, 106.809, 320.723



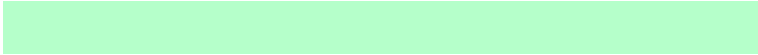
88, 106.809, 10.723

# Sweetspot

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



88, 106.809, 140.723



94, 37.732, 151.382



92, 101.281, 119.104



49, 25.842, 150.947



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, 106.809, 140.723



88, 108.096, 140.320



90, 63.327, 169.211



52, 7.379, 153.084



68, 86.354, 140.673



23, 37.241, 143.509



# Inverse Universe

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



57, 92.808, 343.837



57, 92.816, 344.260



54, 91.510, 28.177



50, 7.415, 334.333



43, 75.001, 343.900

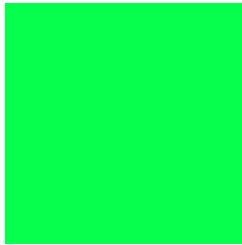


11, 35.318, 341.497



# Previews

## White Background



This preview shows how the CIE LCh color 88, 106.809, 140.723 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, 106.809, 140.723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

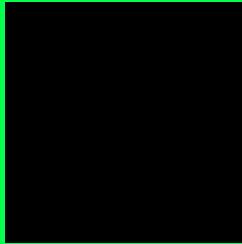
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

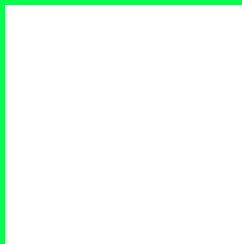
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 88, 106.809, 140.723**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 106.809, 140.723.



This preview shows how white text looks on a background with the CIELCh color 88, 106.809, 140.723.

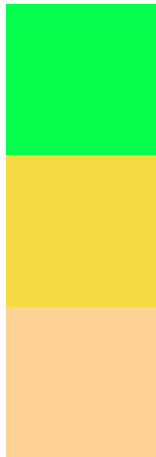




# Color Blindness Simulation

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**

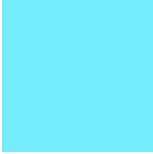
88, 106.809, 140.723

**Protanopia**

87, 73.772, 95.226

**Deuteranopia**

87, 36.758, 78.133



**Tritanopia**  
88, 34.780, 213.219

# Trichromacy



**Original Color**  
88, 106.809, 140.723



**Protanomaly**  
85, 82.272, 124.858



**Deuteranomaly**  
84, 58.344, 130.515

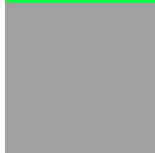


**Tritanomaly**  
87, 56.917, 166.075

# Monochromacy



**Original Color**  
88, 106.809, 140.723



**Achromatopsia**  
66, 0.008, 296.813



**Achromatomaly**  
72, 48.187, 149.481

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 106.809, 140.723 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(6, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(6, 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(6, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 77) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 106.809, 140.723 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(6, 255, 77) }
```

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

```
.border{ border-color:rgb(6, 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(6, 255, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(6, 255, 77)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 106.809, 140.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 77) }
```

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

```
.background{ background-color: rgb(6, 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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