

Converting Colors

CIELCh(88, 107.066, 140.732)

Have a look what the booklet for
CIELCh(88, 107.066, 140.732)
contains.

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Color

CIELCh(88, 106.921, 140.790)

Conversions

Conversions Part 1

Format	Color
Hex	00FF4D
RGB	0, 255, 77
RGB Percent	0%, 100%, 30%
CMY	0.9995, 0.0000, 0.6980
CMYK	1.00, 0.00, 0.70, 0.00
HSL	138°, 100%, 50%
HSV	138°, 100%, 100%
XYZ	37.1057, 72.0653, 18.9779
YIQ	158.4630, -94.8420, -109.4180

Conversions

Conversions Part 2

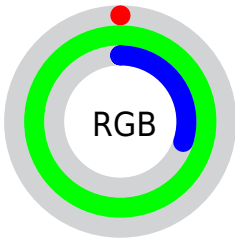
Format	Color
RYB	0, 196, 255
Decimal	65357
CIELab	88.00, -82.85, 67.59
CIELCh	88, 106.921, 140.790
Yxy	72.0653, 0.2896, 0.5624
Android (android.graphics.Color)	4278255437 (0xFF00FF4D)
YUV	158.4630, -40.1613, -138.9721
Hunter-Lab	84.8913, -70.5380, 46.1693

Details

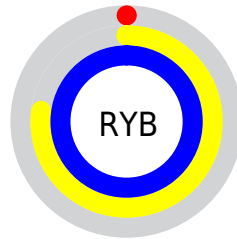
The CIELCh color **88, 106.921, 140.790** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 91.862, 345.447**, and the grayscale version is **65, 0.008, 296.813**.

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, 106.939, 140.783**, and if you desaturate by 10%, it is **88, 100.759, 142.744**.

Distribution



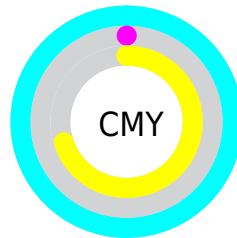
- Red (0%)
- Green (100%)
- Blue (30%)



- Red (0%)
- Yellow (77%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 106.921, 140.790 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, 106.921, 140.790 by changing the saturation by 10% instead.


 88, 106.921,
140.790


 88, 106.921,
140.790


 100, 106.921,
140.790


 78, 106.921,
140.790


 68, 106.921,
140.790

 58, 106.921,
140.790


 48, 106.921,
140.790


 38, 106.921,
140.790


 28, 106.921,
140.790


 18, 106.921,


140.790

 8, 106.921,
140.790


 0, 106.921,
140.790

 88, 106.921,
140.790


 88, 106.921,
140.790

 88, 106.939,
140.783

 88, 100.759,
142.744

 89, 93.224,
144.686

 89, 84.311,
146.492

 90, 74.158,
148.120

■ 91, 62.973,
149.557

■ 92, 50.999,
150.810

■ 94, 38.489,
151.897

■ 96, 25.679,
152.843

■ 98, 12.772,
153.676

Harmonies

Complementary

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



88, 106.921, 140.790



57, 91.862, 345.447

Rectangle

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



88, 106.921, 140.790



88, 106.921, 190.790



88, 106.921, 320.790



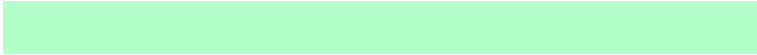
88, 106.921, 10.790

Sweetspot

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



88, 106.914, 140.791



94, 38.548, 151.893



92, 102.387, 120.160



49, 26.243, 151.453



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, 106.914, 140.791



88, 106.939, 140.783



90, 62.477, 170.454



52, 7.293, 153.712



68, 85.413, 141.146



23, 36.805, 144.037

Inverse Universe

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



57, 91.862, 345.447



57, 91.862, 345.456



53, 93.879, 30.596



50, 7.331, 334.979



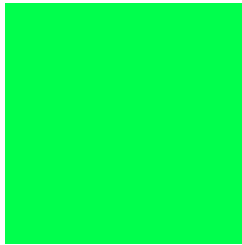
42, 74.235, 345.065



11, 34.978, 342.457

Previews

White Background



This preview shows how the CIE LCh color 88, 106.921, 140.790 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, 106.921, 140.790 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

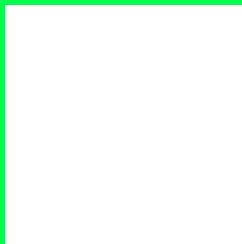
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 106.921, 140.790

Background



This preview shows how black text looks on a background with the CIELCh color 88, 106.921, 140.790.

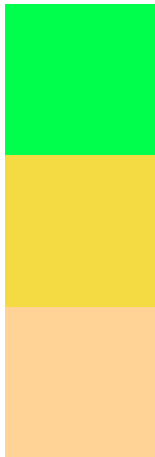


This preview shows how white text looks on a background with the CIELCh color 88, 106.921, 140.790.

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

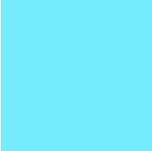
88, 106.921, 140.790

Protanopia

87, 73.772, 95.226

Deuteranopia

87, 36.758, 78.133



Tritanopia
88, 34.591, 213.319

Trichromacy



Original Color
88, 106.921, 140.790



Protanomaly
85, 82.561, 125.312



Deuteranomaly
84, 58.673, 131.129



Tritanomaly
87, 57.178, 166.204

Monochromacy



Original Color
88, 106.921, 140.790



Achromatopsia
65, 0.008, 296.813



Achromatomaly
72, 48.625, 149.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 106.921, 140.790 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, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 106.921, 140.790 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, 255, 77) }
```

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

```
.border{ border-color:rgb(0, 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(0, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 106.921, 140.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 77) }
```

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

```
.background{ background-color: rgb(0, 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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