

Converting Colors

CIELCh(88, 105.917, 138.603)

Have a look what the booklet for
CIELCh(88, 105.917, 138.603)
contains.

CIELCh(88, 106.121, 138.572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(88, 106.121, 138.572)

Conversions

Conversions Part 1

Format	Color
Hex	38FE46
RGB	56, 254, 70
RGB Percent	22%, 100%, 27%
CMY	0.7814, 0.0045, 0.7261
CMYK	0.78, 0.00, 0.72, 0.00
HSL	124°, 99%, 61%
HSV	124°, 78%, 100%
XYZ	38.1131, 72.0653, 17.6707
YIQ	173.8220, -58.9440, -99.2000

Conversions

Conversions Part 2

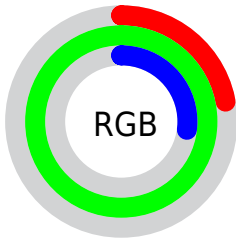
Format	Color
R _Y B	56, 241, 254
Decimal	3735110
CIE Lab	88.00, -79.57, 70.22
CIE LCh	88, 106.121, 138.572
Yxy	72.0653, 0.2981, 0.5637
Android (android.graphics.Color)	4281925190 (0xFF38FE46)
YUV	173.8220, -51.1842, -103.3299
Hunter-Lab	84.8913, -68.4196, 47.0823

Details

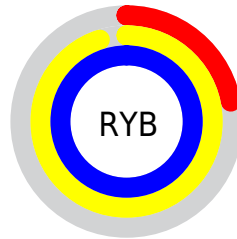
The CIELCh color **88, 106.121, 138.572** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **62, 101.874, 330.551**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 76.646, 139.212**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 113.260, 137.418**, and if you desaturate by 10%, it is **89, 96.472, 139.862**.

Distribution



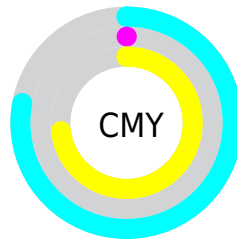
- Red (22%)
- Green (100%)
- Blue (27%)



- Red (22%)
- Yellow (95%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 106.121, 138.572 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, 106.121, 138.572 by changing the saturation by 10% instead.


 88, 106.121,
138.572


 88, 106.121,
138.572


 100, 106.121,
138.572


 78, 106.121,
138.572


 68, 106.121,
138.572

 58, 106.121,
138.572

 48, 106.121,
138.572

 38, 106.121,
138.572

 28, 106.121,
138.572

 18, 106.121,

138.572

■ 8, 106.121,
138.572

■ 0, 106.121,
138.572

■ 88, 106.121,
138.572

■ 88, 106.121,
138.572

■ 88, 113.260,
137.418

■ 89, 96.472,
139.862

■ 87, 117.584,
136.550

■ 89, 84.803,
141.159

■ 87, 118.135,
136.444

■ 91, 71.621,
142.375

■ 92, 57.391,
143.467

■ 94, 42.520,
144.422

■ 96, 27.342,
145.246

■ 98, 12.122,
145.960

100, 0.717,
324.035

Harmonies

Complementary

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



88, 106.121, 138.572



62, 101.874, 330.551

Rectangle

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



88, 106.121, 138.572



88, 106.121, 188.572



88, 106.121, 318.572



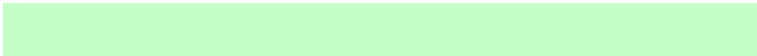
88, 106.121, 8.572

Sweetspot

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



88, 106.121, 138.573



95, 35.016, 144.852



96, 88.612, 106.990



50, 24.233, 144.547



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, 106.121, 138.573



88, 116.579, 136.853



89, 71.791, 157.127



52, 8.612, 145.860



68, 95.159, 136.581



22, 42.263, 138.145

Inverse Universe

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



62, 101.874, 330.551



60, 108.468, 331.145



58, 77.341, 0.170



50, 8.627, 326.938



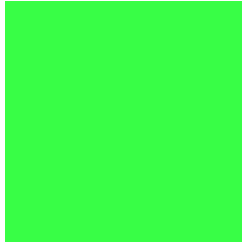
45, 88.012, 331.294



12, 40.764, 330.900

Previews

White Background



This preview shows how the CIELCh color 88, 106.121, 138.572 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, 106.121, 138.572 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, 106.121, 138.572

Background



This preview shows how black text looks on a background with the CIELCh color 88, 106.121, 138.572.

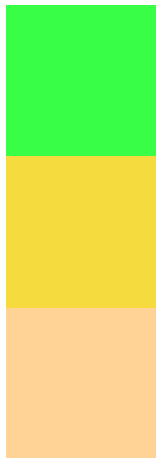


This preview shows how white text looks on a background with the CIELCh color 88, 106.121, 138.572.

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, 106.121, 138.572

Protanopia

87, 75.785, 95.273

Deuteranopia

87, 37.217, 78.446

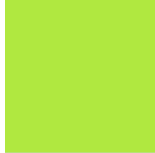


Tritanopia
88, 33.850, 214.675

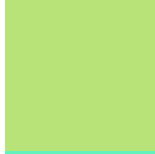
Trichromacy



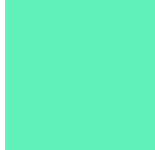
Original Color
88, 106.121, 138.572



Protanomaly
86, 82.138, 119.860

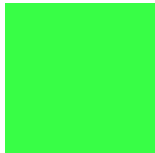


Deuteranomaly
85, 56.873, 123.578



Tritanomaly
87, 53.427, 164.129

Monochromacy



Original Color
88, 106.121, 138.572



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 44.783, 143.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 106.121, 138.572 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(56, 254, 70)` looks like.

```
.text, #text, p{  
    color:rgb(56, 254, 70)  
}
```

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(56, 254, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 254, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 106.121, 138.572 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(56, 254, 70) }
```

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

```
.border{ border-color:rgb(56, 254, 70) }
```

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

Here you see how a box with a 4 pixel rgb(56, 254, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 254, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 254, 70);  
box-shadow:4px 4px 4px 4px rgb(56, 254,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 106.121, 138.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 254, 70) }
```

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

```
.background{ background-color: rgb(56, 254,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor