

Converting Colors

CIELCh(88, 81.868, 148.349)

Have a look what the booklet for
CIELCh(88, 81.868, 148.349)
contains.

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Color

CIELCh(88, 81.581, 148.438)

Conversions

Conversions Part 1

Format	Color
Hex	44FB87
RGB	68, 251, 135
RGB Percent	27%, 98%, 53%
CMY	0.7326, 0.0152, 0.4701
CMYK	0.73, 0.00, 0.46, 0.02
HSL	142°, 96%, 63%
HSV	142°, 73%, 98%
XYZ	41.3171, 72.0653, 34.6984
YIQ	183.0590, -71.8320, -74.8720

Conversions

Conversions Part 2

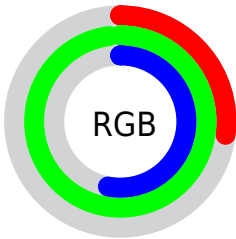
Format	Color
RYB	68, 202, 251
Decimal	4520839
CIELab	88.00, -69.51, 42.70
CIElCh	88, 81.581, 148.438
Yxy	72.0653, 0.2790, 0.4867
Android (android.graphics.Color)	4282710919 (0xFF44FB87)
YUV	183.0590, -23.6931, -100.9067
Hunter-Lab	84.8913, -61.6826, 35.1897

Details

The CIELCh color **88, 81.581, 148.438** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **60, 80.353, 344.581**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 51.615, 155.962**, and **69, 77.455, 145.822** is the 20% darker color. If you saturate the color by 10%, you get **87, 89.625, 146.510**, and if you desaturate by 10%, it is **89, 72.390, 150.170**.

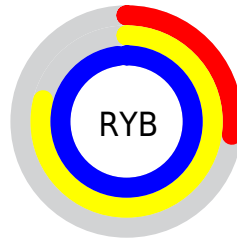
Distribution



Red (27%)

Green (98%)

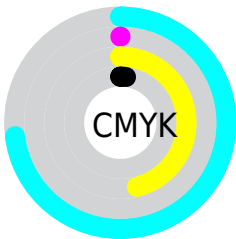
Blue (53%)



Red (27%)

Yellow (79%)

Blue (98%)

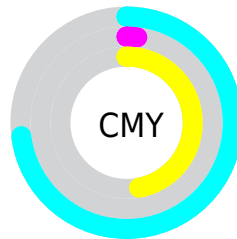


Cyan (73%)

Magenta (0%)

Yellow (46%)

Black (2%)



Cyan (73%)


Magenta (2%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 81.581, 148.438 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, 81.581, 148.438 by changing the saturation by 10% instead.

 88, 81.581,
148.438

 88, 81.581,
148.438


 100, 81.581,
148.438


 78, 81.581,
148.438

 68, 81.581,
148.438

 58, 81.581,
148.438

 48, 81.581,
148.438

 38, 81.581,
148.438

 28, 81.581,
148.438


 18, 81.581,


148.438


 8, 81.581, 148.438


 0, 81.581, 148.438


 88, 81.581,
148.438


 88, 81.581,
148.438


 87, 89.625,
146.510


 89, 72.390,
150.170

 87, 96.458,
144.425

 90, 62.194,
151.699


 87, 100.677,
142.917

 91, 51.191,
153.035

 92, 39.605,
154.200

 94, 27.656,

155.218

 96, 15.540,
156.117

 98, 3.423, 156.995

 99, 2.407, 324.397

Harmonies

Complementary

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



88, 81.581, 148.438



60, 80.353, 344.581

Rectangle

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



88, 81.581, 148.438



88, 81.581, 198.438



88, 81.581, 328.438



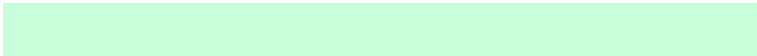
88, 81.581, 18.438

Sweetspot

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



88, 81.582, 148.438



95, 26.966, 155.297



92, 88.224, 120.572



50, 18.110, 155.037



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, 81.582, 148.438



88, 93.736, 145.645



90, 51.083, 179.880



51, 6.840, 156.400



67, 80.491, 143.316



22, 33.929, 146.544

Inverse Universe

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



60, 80.353, 344.581



57, 87.500, 347.313



58, 74.646, 21.151



49, 6.889, 337.740



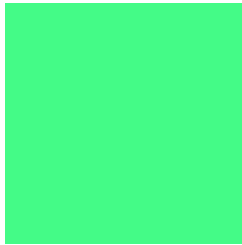
41, 70.825, 350.066



10, 32.888, 346.404

Previews

White Background



This preview shows how the CIE LCh color 88, 81.581, 148.438 looks on a white background.

Color Contrast Check

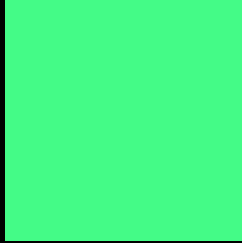
Large Text (above 18pt) WCAG AA × Fail

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, 81.581, 148.438 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, 81.581, 148.438

Background



This preview shows how black text looks on a background with the CIELCh color 88, 81.581, 148.438.

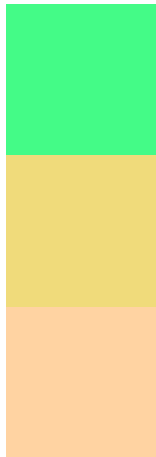


This preview shows how white text looks on a background with the CIELCh color 88, 81.581, 148.438.

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, 81.581, 148.438

Protanopia

87, 49.755, 95.880

Deuteranopia

87, 31.345, 73.550



Tritanopia
88, 33.818, 213.736

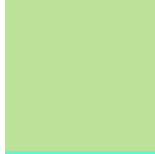
Trichromacy



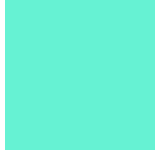
Original Color
88, 81.581, 148.438



Protanomaly
86, 56.643, 127.298



Deuteranomaly
86, 41.035, 128.489

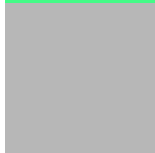


Tritanomaly
88, 45.377, 175.451

Monochromacy



Original Color
88, 81.581, 148.438



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 33.162, 154.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 81.581, 148.438 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(68, 251, 135)` looks like.

```
.text, #text, p{  
    color:rgb(68, 251, 135)  
}
```

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(68, 251, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 251, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 81.581, 148.438 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(68, 251, 135) }
```

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

```
.border{ border-color:rgb(68, 251, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 251, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 251, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 251, 135);  
box-shadow:4px 4px 4px 4px rgb(68, 251,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 81.581, 148.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 251, 135) }
```

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

```
.background{ background-color: rgb(68, 251,  
135) }
```

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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