

Converting Colors

CIELCh(89, 85.360, 147.223)

Have a look what the booklet for
CIELCh(89, 85.360, 147.223)
contains.

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Color

CIELCh(89, 85.603, 147.126)

Conversions

Conversions Part 1

Format	Color
Hex	42FF82
RGB	66, 255, 130
RGB Percent	26%, 100%, 51%
CMY	0.7422, 0.0007, 0.4908
CMYK	0.74, 0.00, 0.49, 0.00
HSL	140°, 100%, 63%
HSV	140°, 74%, 100%
XYZ	41.9514, 74.1641, 33.1675
YIQ	184.2390, -72.5190, -78.9430

Conversions

Conversions Part 2

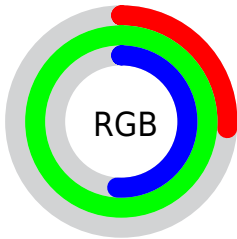
Format	Color
RYB	66, 207, 255
Decimal	4390786
CIELab	89.00, -71.90, 46.46
CIELCh	89, 85.603, 147.126
Yxy	74.1641, 0.2810, 0.4968
Android (android.graphics.Color)	4282580866 (0xFF42FF82)
YUV	184.2390, -26.7398, -103.6956
Hunter-Lab	86.1186, -63.7539, 37.4482

Details

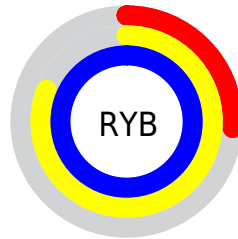
The CIELCh color **89, 85.603, 147.126** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **61, 83.409, 343.192**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 53.485, 154.009**, and **70, 81.512, 144.191** is the 20% darker color. If you saturate the color by 10%, you get **88, 93.740, 145.202**, and if you desaturate by 10%, it is **90, 76.241, 148.867**.

Distribution



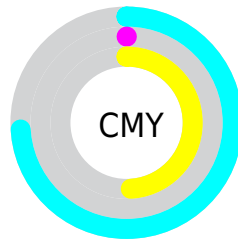
- Red (26%)
- Green (100%)
- Blue (51%)



- Red (26%)
- Yellow (81%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 85.603, 147.126 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 89, 85.603, 147.126 by changing the saturation by 10% instead.


 89, 85.603,
147.126

 89, 85.603,
147.126


 100, 85.603,
147.126


 79, 85.603,
147.126

 69, 85.603,
147.126

 59, 85.603,
147.126

 49, 85.603,
147.126

 39, 85.603,
147.126


 29, 85.603,
147.126

 19, 85.603,


147.126


 9, 85.603, 147.126


 0, 85.603, 147.126


 89, 85.603,
147.126


 89, 85.603,
147.126


 88, 93.740,
145.202


 90, 76.241,
148.867

 88, 100.582,
143.147

 91, 65.806,
150.409


 88, 104.016,
141.966

 92, 54.507,
151.759

 93, 42.579,
152.934

 95, 30.255,

153.957

 97, 17.745,
154.854

 99, 5.223, 155.689

100, 0.117,
321.795

Harmonies

Complementary

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



89, 85.603, 147.126



61, 83.409, 343.192

Rectangle

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



89, 85.603, 147.126



89, 85.603, 197.126



89, 85.603, 327.126



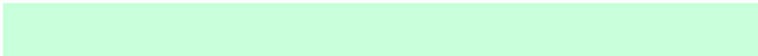
89, 85.603, 17.126

Sweetspot

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



89, 85.604, 147.126



95, 27.524, 154.164



93, 90.036, 119.884



50, 18.487, 153.908



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 85.604, 147.126



88, 97.236, 144.227



91, 53.015, 178.060



52, 7.095, 155.244



68, 83.094, 142.349



23, 35.757, 145.350

Inverse Universe

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



61, 83.409, 343.192



57, 89.246, 345.850



58, 76.340, 20.433



50, 7.139, 336.554



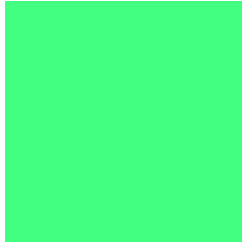
42, 72.580, 347.927



11, 34.227, 344.810

Previews

White Background



This preview shows how the CIE LCh color 89, 85.603, 147.126 looks on a white background.

Color Contrast Check

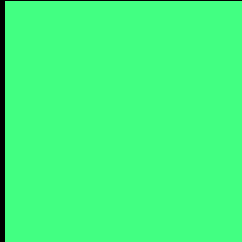
Large Text (above 18pt) WCAG AA × Fail

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 89, 85.603, 147.126 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

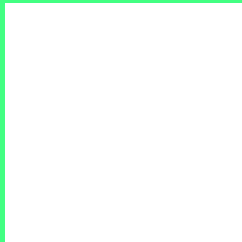
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 85.603, 147.126

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.603, 147.126.

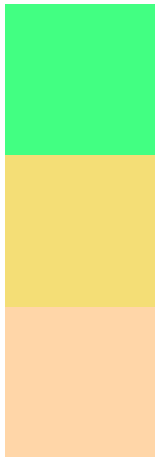


This preview shows how white text looks on a background with the CIELCh color 89, 85.603, 147.126.

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
89, 85.603, 147.126

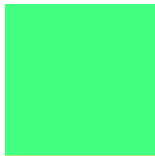
Protanopia
88, 53.496, 95.835

Deuteranopia
88, 29.204, 74.048



Tritanopia
89, 31.090, 214.320

Trichromacy



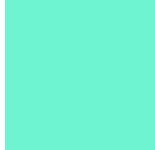
Original Color
89, 85.603, 147.126



Protanomaly
87, 60.348, 126.515



Deuteranomaly
86, 42.009, 130.080

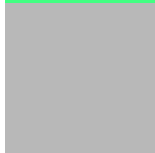


Tritanomaly
88, 45.387, 172.685

Monochromacy



Original Color
89, 85.603, 147.126



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 35.153, 152.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.603, 147.126 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(66, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 130)  
}
```

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(66, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.603, 147.126 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(66, 255, 130) }
```

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

```
.border{ border-color:rgb(66, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.603, 147.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 130) }
```

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

```
.background{ background-color: rgb(66, 255,  
130) }
```

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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