

# Converting Colors

CIELCh(89, 86.888, 147.847)

Have a look what the booklet for  
CIELCh(89, 86.888, 147.847)  
contains.

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**Color**

**CIELCh(89, 86.761, 147.835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36FF82
RGB	54, 255, 130
RGB Percent	21%, 100%, 51%
CMY	0.7894, 0.0000, 0.4888
CMYK	0.79, 0.00, 0.49, 0.00
HSL	143°, 100%, 61%
HSV	143°, 79%, 100%
XYZ	41.4412, 74.1641, 33.3725
YIQ	180.6510, -79.6710, -81.4870

# Conversions

## Conversions Part 2

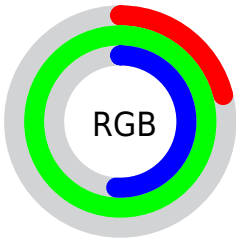
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">54, 200, 255</a>
Decimal	<a href="#">3604354</a>
CIELab	<a href="#">89.00, -73.44, 46.19</a>
CIELCh	<a href="#">89, 86.761, 147.835</a>
Yxy	<a href="#">74.1641, 0.2782, 0.4978</a>
Android (android.graphics.Color)	<a href="#">4281794434 (0xFF36FF82)</a>
YUV	<a href="#">180.6510, -24.9709, -111.0729</a>
Hunter-Lab	<a href="#">86.1186, -64.8115, 37.3071</a>

# Details

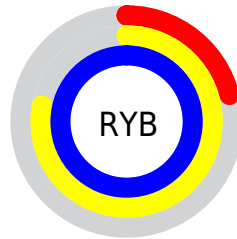
The CIELCh color **89, 86.761, 147.835** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **59, 83.992, 346.644**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.889, 155.184**, and **70, 81.512, 144.191** is the 20% darker color. If you saturate the color by 10%, you get **88, 93.875, 145.821**, and if you desaturate by 10%, it is **90, 78.089, 149.741**.

# Distribution



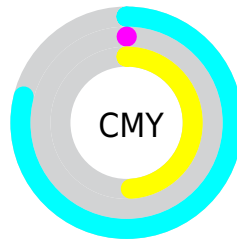
- Red (21%)
- Green (100%)
- Blue (51%)



- Red (21%)
- Yellow (78%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 86.761, 147.835 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, 86.761, 147.835 by changing the saturation by 10% instead.





 89, 86.761,  
147.835

 89, 86.761,  
147.835


 100, 86.761,  
147.835


 79, 86.761,  
147.835

 69, 86.761,  
147.835

 59, 86.761,  
147.835

 49, 86.761,  
147.835

 39, 86.761,  
147.835


 29, 86.761,  
147.835


 19, 86.761,


147.835


 9, 86.761, 147.835


 0, 86.761, 147.835


 89, 86.761,  
147.835


 89, 86.761,  
147.835

 88, 93.875,  
145.821


 90, 78.089,  
149.741


 88, 100.032,  
143.666

 90, 68.506,  
151.405


 88, 100.640,  
143.448


 91, 57.988,  
152.866

 93, 46.744,  
154.142

 94, 34.997,

155.256

 96, 22.959,  
156.233

 98, 10.816,  
157.108

100, 0.012,  
296.813

# Harmonies

# Complementary

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



89, 86.761, 147.835



59, 83.992, 346.644

# Rectangle

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



89, 86.761, 147.835



89, 86.761, 197.835



89, 86.761, 327.835



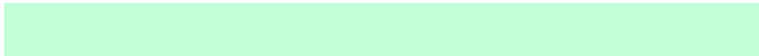
89, 86.761, 17.835

# Sweetspot

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



89, 86.575, 147.873



95, 29.072, 155.754



92, 94.631, 121.417



50, 19.949, 155.398



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, 86.575, 147.873



88, 97.722, 144.513



91, 53.007, 180.796



52, 6.878, 157.060



68, 80.335, 143.851



23, 34.548, 146.946



# Inverse Universe

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



59, 83.992, 346.644



56, 87.818, 350.457



57, 81.799, 24.988



50, 6.930, 338.422



42, 70.990, 351.339

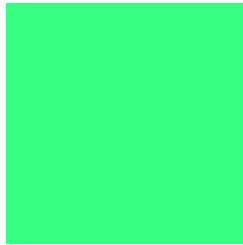


11, 33.468, 347.610



# Previews

## White Background



This preview shows how the CIE LCh color 89, 86.761, 147.835 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, 86.761, 147.835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

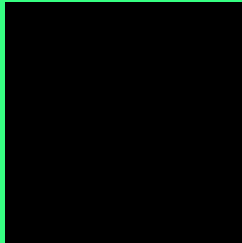
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

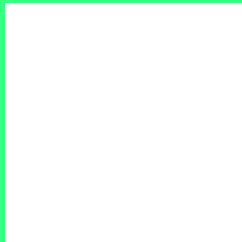
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 89, 86.761, 147.835**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 86.761, 147.835.

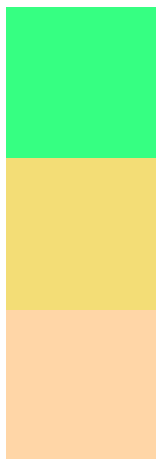


This preview shows how white text looks on a background with the CIELCh color 89, 86.761, 147.835.

# 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, 86.681, 147.787

### Protanopia

88, 53.062, 95.771

### Deuteranopia

88, 29.647, 74.531





**Tritanopia**  
89, 31.735, 213.935

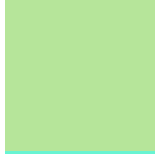
# Trichromacy



**Original Color**  
89, 86.681, 147.787



**Protanomaly**  
86, 60.540, 127.951



**Deuteranomaly**  
86, 42.649, 131.842

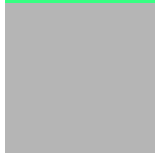


**Tritanomaly**  
88, 46.231, 173.777

# Monochromacy



**Original Color**  
89, 86.681, 147.787



**Achromatopsia**  
74, 0.009, 296.813



**Achromatomaly**  
78, 35.765, 154.755

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 86.761, 147.835 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(54, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 255, 130) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 86.761, 147.835 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(54, 255, 130) }
```

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

```
.border{ border-color:rgb(54, 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(54, 255, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(54, 255,  
130) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 86.761, 147.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 255, 130) }
```

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

```
.background{ background-color: rgb(54, 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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