

Converting Colors

CIELCh(89, 85.118, 147.356)

Have a look what the booklet for
CIELCh(89, 85.118, 147.356)
contains.

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Color

CIELCh(89, 85.231, 147.329)

Conversions

Conversions Part 1

Format	Color
Hex	42FF83
RGB	66, 255, 131
RGB Percent	26%, 100%, 51%
CMY	0.7424, 0.0008, 0.4870
CMYK	0.74, 0.00, 0.49, 0.00
HSL	141°, 100%, 63%
HSV	141°, 74%, 100%
XYZ	42.0007, 74.1641, 33.5057
YIQ	184.3530, -72.8400, -78.6320

Conversions

Conversions Part 2

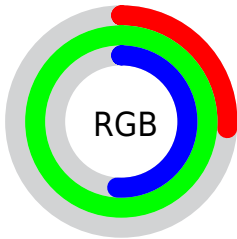
Format	Color
RYB	66, 207, 255
Decimal	4390787
CIELab	89.00, -71.75, 46.01
CIELCh	89, 85.231, 147.329
Yxy	74.1641, 0.2806, 0.4955
Android (android.graphics.Color)	4282580867 (0xFF42FF83)
YUV	184.3530, -26.3030, -103.7956
Hunter-Lab	86.1186, -63.6518, 37.2154

Details

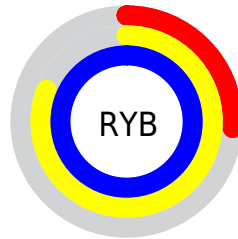
The CIELCh color **89, 85.231, 147.329** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **61, 83.146, 343.515**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 53.108, 154.389**, and **70, 81.155, 144.389** is the 20% darker color. If you saturate the color by 10%, you get **88, 93.333, 145.398**, and if you desaturate by 10%, it is **90, 75.915, 149.075**.

Distribution



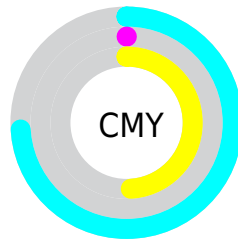
- Red (26%)
- Green (100%)
- Blue (51%)



- 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, 85.231, 147.329 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, 85.231, 147.329 by changing the saturation by 10% instead.


 89, 85.231,
147.329

 89, 85.231,
147.329


 100, 85.231,
147.329


 79, 85.231,
147.329

 69, 85.231,
147.329

 59, 85.231,
147.329

 49, 85.231,
147.329

 39, 85.231,
147.329


 29, 85.231,
147.329


 19, 85.231,


147.329


 9, 85.231, 147.329


 0, 85.231, 147.329


 89, 85.231,
147.329


 89, 85.231,
147.329


 88, 93.333,
145.398


 90, 75.915,
149.075

 88, 100.154,
143.333

 91, 65.531,
150.621


 88, 103.576,
142.147

 92, 54.288,
151.973

 93, 42.417,
153.151

 95, 30.150,

154.177

 97, 17.694,
155.078

 99, 5.224, 155.917

100, 0.140,
322.238

Harmonies

Complementary

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



89, 85.231, 147.329



61, 83.146, 343.515

Rectangle

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



89, 85.231, 147.329



89, 85.231, 197.329



89, 85.231, 327.329



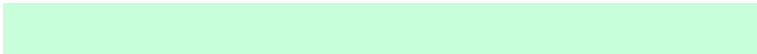
89, 85.231, 17.329

Sweetspot

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



89, 85.232, 147.329



95, 27.411, 154.387



93, 90.041, 119.884



50, 18.411, 154.130



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, 85.232, 147.329



88, 96.816, 144.422



91, 53.016, 178.058



52, 7.066, 155.471



68, 82.748, 142.533



23, 35.604, 145.547

Inverse Universe

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



61, 83.146, 343.515



57, 88.970, 346.227



58, 76.347, 20.440



50, 7.111, 336.788



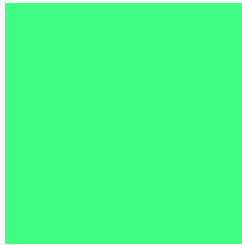
42, 72.359, 348.353



11, 34.124, 345.160

Previews

White Background



This preview shows how the CIE LCh color 89, 85.231, 147.329 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, 85.231, 147.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

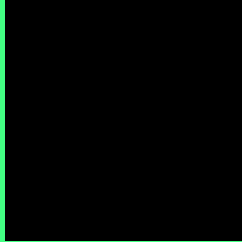
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 85.231, 147.329

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.231, 147.329.

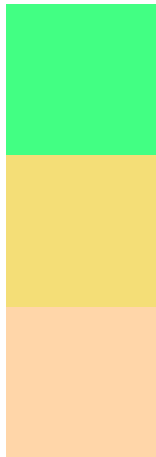


This preview shows how white text looks on a background with the CIELCh color 89, 85.231, 147.329.

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, 85.231, 147.329

Protanopia

88, 53.031, 95.795

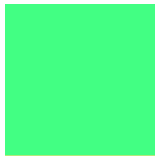
Deuteranopia

88, 28.763, 73.550



Tritanopia
89, 31.090, 214.320

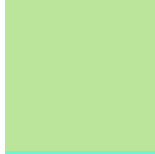
Trichromacy



Original Color
89, 85.231, 147.329



Protanomaly
87, 59.912, 126.692



Deuteranomaly
86, 41.546, 130.362

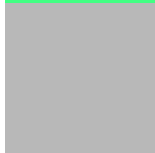


Tritanomaly
88, 45.099, 173.261

Monochromacy



Original Color
89, 85.231, 147.329



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 34.759, 153.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.231, 147.329 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.231, 147.329 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, 131) }
```

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

```
.border{ border-color:rgb(66, 255, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.231, 147.329 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, 131) }
```

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

```
.background{ background-color: rgb(66, 255,  
131) }
```

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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