

Converting Colors

CIELCh(87, 85.850, 149.814)

Have a look what the booklet for
CIELCh(87, 85.850, 149.814)
contains.

CIELCh(87, 86.030, 149.732)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 86.030, 149.732)

Conversions

Conversions Part 1

Format	Color
Hex	0EFA83
RGB	14, 250, 131
RGB Percent	5%, 98%, 51%
CMY	0.9441, 0.0202, 0.4868
CMYK	0.94, 0.00, 0.48, 0.02
HSL	150°, 96%, 52%
HSV	150°, 94%, 98%
XYZ	38.4103, 70.0064, 32.9119
YIQ	165.8700, -102.4570, -87.0410

Conversions

Conversions Part 2

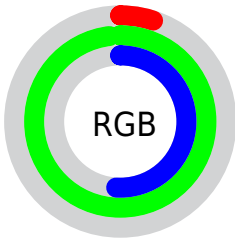
Format	Color
RYB	14, 172, 250
Decimal	981635
CIELab	87.00, -74.30, 43.36
CIELCh	87, 86.030, 149.732
Yxy	70.0064, 0.2718, 0.4953
Android (android.graphics.Color)	4279171715 (0xFF0EFA83)
YUV	165.8700, -17.1909, -133.1900
Hunter-Lab	83.6698, -64.4782, 35.2469

Details

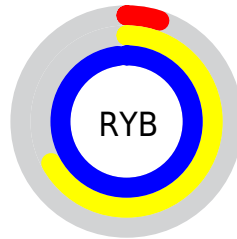
The CIELCh color **87, 86.030, 149.732** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **54, 82.863, 0.026**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 57.561, 157.824**, and **68, 78.458, 145.053** is the 20% darker color. If you saturate the color by 10%, you get **87, 88.989, 148.428**, and if you desaturate by 10%, it is **87, 80.239, 151.963**.

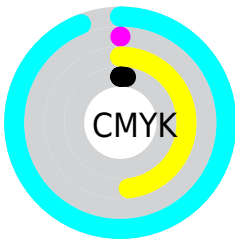
Distribution



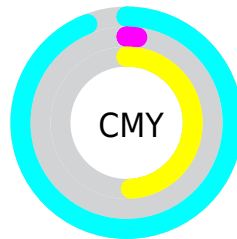
- Red (5%)
- Green (98%)
- Blue (51%)



- Red (5%)
- Yellow (67%)
- Blue (98%)



- Cyan (94%)
- Magenta (0%)
- Yellow (48%)
- Black (2%)



- Cyan (94%)
- Magenta (2%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 86.030, 149.732 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 87, 86.030, 149.732 by changing the saturation by 10% instead.

■ 87, 86.030,
149.732

■ 87, 86.030,
149.732

■ 100, 86.030,
149.732

■ 77, 86.030,
149.732

■ 67, 86.030,
149.732

■ 57, 86.030,
149.732

■ 47, 86.030,
149.732

■ 37, 86.030,
149.732

■ 27, 86.030,
149.732

■ 17, 86.030,

149.732

■ 7, 86.030, 149.732

■ 0, 86.030, 149.732

■ 87, 86.030,
149.732

■ 87, 86.030,
149.732

■ 87, 88.989,
148.428

■ 87, 80.239,
151.963

■ 88, 73.442,
153.998

■ 89, 65.623,
155.816

■ 89, 56.859,
157.422

■ 91, 47.295,

158.836

■ 92, 37.112,
160.082

■ 94, 26.501,
161.188

■ 95, 15.642,
162.179

■ 97, 4.691, 163.130

Harmonies

Complementary

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



87, 86.030, 149.732



54, 82.863, 0.026

Rectangle

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



87, 86.030, 149.732



87, 86.030, 199.732



87, 86.030, 329.732



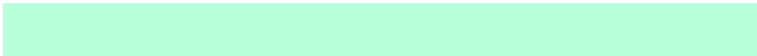
87, 86.030, 19.732

Sweetspot

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



87, 86.030, 149.732



95, 30.977, 160.790



89, 105.187, 127.100



50, 21.308, 160.308



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 86.030, 149.732



88, 90.426, 148.401



89, 49.633, 193.962



51, 6.220, 162.628



67, 71.433, 148.856



22, 30.193, 152.251

Inverse Universe

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



54, 82.863, 0.026



55, 84.687, 2.454



53, 99.348, 38.285



49, 6.299, 344.133



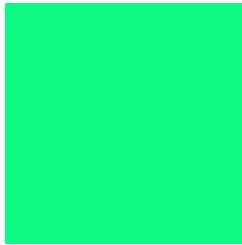
41, 67.629, 1.591



10, 31.113, 355.820

Previews

White Background



This preview shows how the CIELCh color 87, 86.030, 149.732 looks on a white background.

Color Contrast Check

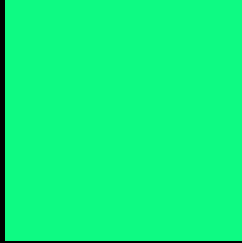
Large Text (above 18pt) WCAG AA × Fail

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 87, 86.030, 149.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

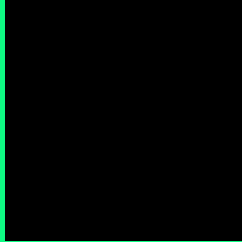
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 86.030, 149.732

Background



This preview shows how black text looks on a background with the CIELCh color 87, 86.030, 149.732.

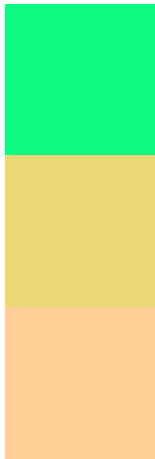


This preview shows how white text looks on a background with the CIELCh color 87, 86.030, 149.732.

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
87, 86.056, 149.747

Protanopia
86, 50.324, 95.855

Deuteranopia
86, 35.563, 74.117



Tritanopia
87, 38.062, 212.483

Trichromacy



Original Color
87, 86.056, 149.747



Protanomaly
84, 60.251, 132.975



Deuteranomaly
83, 46.211, 134.260

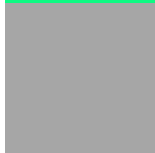


Tritanomaly
86, 50.627, 177.313

Monochromacy



Original Color
87, 86.056, 149.747



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 38.141, 158.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 86.030, 149.732 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(14, 250, 131)` looks like.

```
.text, #text, p{  
    color:rgb(14, 250, 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(14, 250, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 250, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 86.030, 149.732 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(14, 250, 131) }
```

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

```
.border{ border-color:rgb(14, 250, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 250, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(14, 250, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(14, 250, 131); box-shadow:4px 4px 4px 4px rgb(14, 250, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 86.030, 149.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 250, 131) }
```

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

```
.background{ background-color: rgb(14, 250,  
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](#).

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