

Converting Colors

CIELCh(89, 87.852, 149.807)

Have a look what the booklet for
CIELCh(89, 87.852, 149.807)
contains.

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Color

CIELCh(89, 87.387, 149.868)

Conversions

Conversions Part 1

Format	Color
Hex	10FF87
RGB	16, 255, 135
RGB Percent	6%, 100%, 53%
CMY	0.9370, 0.0000, 0.4702
CMYK	0.94, 0.00, 0.47, 0.00
HSL	150°, 100%, 53%
HSV	150°, 94%, 100%
XYZ	40.7454, 74.1641, 35.1250
YIQ	169.8590, -103.9240, -87.9880

Conversions

Conversions Part 2

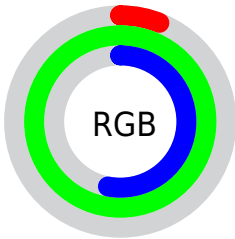
Format	Color
RYB	16, 176, 255
Decimal	1113991
CIELab	89.00, -75.58, 43.87
CIELCh	89, 87.387, 149.868
Yxy	74.1641, 0.2716, 0.4943
Android (android.graphics.Color)	4279304071 (0xFF10FF87)
YUV	169.8590, -17.1855, -134.9343
Hunter-Lab	86.1186, -66.2535, 36.1005

Details

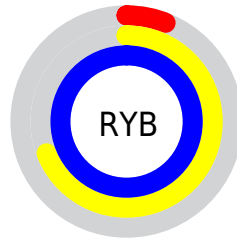
The CIELCh color **89, 87.387, 149.868** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 84.035, 0.116**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 55.748, 159.097**, and **70, 79.341, 145.420** is the 20% darker color. If you saturate the color by 10%, you get **88, 90.127, 148.561**, and if you desaturate by 10%, it is **89, 80.907, 152.234**.

Distribution



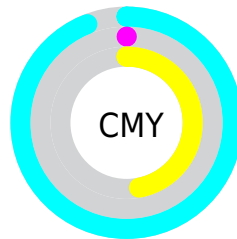
- Red (6%)
- Green (100%)
- Blue (53%)



- Red (6%)
- Yellow (69%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (94%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 87.387, 149.868 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, 87.387, 149.868 by changing the saturation by 10% instead.

■ 89, 87.387,
149.868

■ 89, 87.387,
149.868

■ 100, 87.387,
149.868

■ 79, 87.387,
149.868

■ 69, 87.387,
149.868

■ 59, 87.387,
149.868

■ 49, 87.387,
149.868

■ 39, 87.387,
149.868


■ 29, 87.387,
149.868

■ 19, 87.387,


149.868

 9, 87.387, 149.868


 0, 87.387, 149.868


 89, 87.387,
149.868

 89, 87.387,
149.868

 88, 90.127,
148.561

 89, 80.907,
152.234

 90, 73.973,
154.261

 90, 66.003,
156.070

 91, 57.078,
157.667

 92, 47.348,

159.074

■ 94, 36.998,
160.314

■ 95, 26.222,
161.414

■ 97, 15.201,
162.404

■ 99, 4.093, 163.367

Harmonies

Complementary

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



89, 87.387, 149.868



55, 84.035, 0.116

Rectangle

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



89, 87.387, 149.868



89, 87.387, 199.868



89, 87.387, 329.868



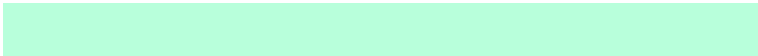
89, 87.387, 19.868

Sweetspot

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



89, 86.817, 150.008



95, 30.900, 160.956



90, 106.630, 127.042



50, 21.254, 160.474



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, 86.817, 150.008



88, 90.127, 148.561



91, 50.369, 193.975



52, 6.309, 162.796



68, 71.948, 148.992



23, 31.026, 152.223

Inverse Universe

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



55, 84.035, 0.116



55, 84.649, 2.766



54, 100.577, 38.147



50, 6.390, 344.309



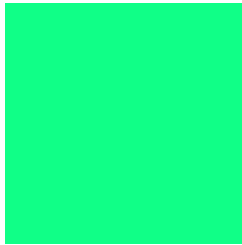
41, 68.267, 1.939



10, 31.886, 356.368

Previews

White Background



This preview shows how the CIE LCh color 89, 87.387, 149.868 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, 87.387, 149.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

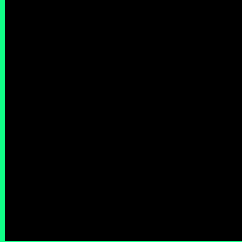
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 87.387, 149.868

Background



This preview shows how black text looks on a background with the CIELCh color 89, 87.387, 149.868.

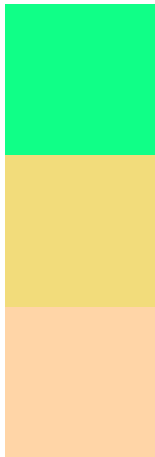


This preview shows how white text looks on a background with the CIELCh color 89, 87.387, 149.868.

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, 86.856, 149.988

Protanopia

88, 50.280, 95.481

Deuteranopia

88, 29.474, 73.393



Tritanopia
88, 33.191, 213.117

Trichromacy



Original Color
89, 86.856, 149.988



Protanomaly
86, 60.663, 133.090



Deuteranomaly
85, 44.094, 137.695

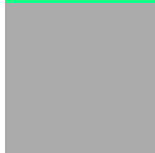


Tritanomaly
88, 49.132, 175.614

Monochromacy



Original Color
89, 86.856, 149.988



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 38.851, 159.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 87.387, 149.868 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(16, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(16, 255, 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(16, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 255, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 87.387, 149.868 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(16, 255, 135) }
```

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

```
.border{ border-color:rgb(16, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(16, 255,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 87.387, 149.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 255, 135) }
```

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

```
.background{ background-color: rgb(16, 255,  
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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