

Converting Colors

CIELCh(89, 79.869, 154.551)

Have a look what the booklet for
CIELCh(89, 79.869, 154.551)
contains.

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Color

CIELCh(89, 79.582, 154.685)

Conversions

Conversions Part 1

Format	Color
Hex	0BFF9B
RGB	11, 255, 155
RGB Percent	4%, 100%, 61%
CMY	0.9567, 0.0000, 0.3910
CMYK	0.96, 0.00, 0.39, 0.00
HSL	155°, 100%, 52%
HSV	155°, 96%, 100%
XYZ	41.9366, 74.1641, 43.2387
YIQ	170.6440, -113.3240, -82.8280

Conversions

Conversions Part 2

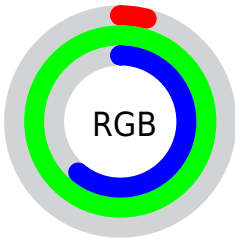
Format	Color
RYB	11, 164, 255
Decimal	786331
CIELab	89.00, -71.94, 34.03
CIELCh	89, 79.582, 154.685
Yxy	74.1641, 0.2632, 0.4654
Android (android.graphics.Color)	4278976411 (0xFF0BFF9B)
YUV	170.6440, -7.7125, -140.0078
Hunter-Lab	86.1186, -63.7845, 30.5145

Details

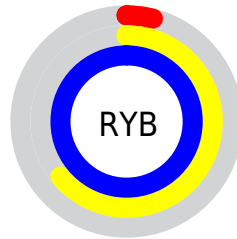
The CIELCh color **89, 79.582, 154.685** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **55, 83.879, 9.737**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 49.164, 168.064**, and **70, 71.752, 150.211** is the 20% darker color. If you saturate the color by 10%, you get **89, 81.339, 153.736**, and if you desaturate by 10%, it is **89, 74.587, 156.994**.

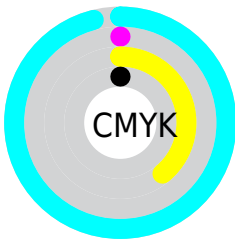
Distribution



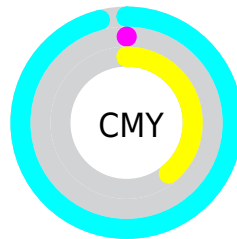
- Red (4%)
- Green (100%)
- Blue (61%)



- Red (4%)
- Yellow (64%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (96%)
- Magenta (0%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 79.582, 154.685 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, 79.582, 154.685 by changing the saturation by 10% instead.

 89, 79.582,
154.685

 89, 79.582,
154.685

 100, 79.582,
154.685

 79, 79.582,
154.685

 69, 79.582,
154.685

 59, 79.582,
154.685

 49, 79.582,
154.685

 39, 79.582,
154.685


 29, 79.582,
154.685


 19, 79.582,


154.685


 9, 79.582, 154.685


 0, 79.582, 154.685


 89, 79.582,
154.685


 89, 79.582,
154.685

 89, 81.339,
153.736

 89, 74.587,
156.994

 90, 68.789,
159.051

 90, 61.981,
160.890

 91, 54.206,
162.522

 92, 45.579,

163.969

■ 94, 36.259,
165.257

■ 95, 26.424,
166.413

■ 97, 16.250,
167.464

■ 99, 5.894, 168.467

Harmonies

Complementary

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



89, 79.582, 154.685



55, 83.879, 9.737

Rectangle

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



89, 79.582, 154.685



89, 79.582, 204.685



89, 79.582, 334.685



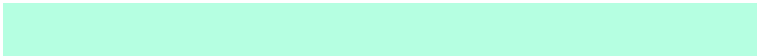
89, 79.582, 24.685

Sweetspot

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



89, 79.435, 154.734



95, 29.745, 166.042



89, 110.759, 130.365



50, 20.299, 165.546



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, 79.435, 154.734



89, 81.339, 153.736



85, 45.122, 210.589



52, 5.909, 168.078



68, 64.981, 154.171



23, 28.205, 157.379

Inverse Universe

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



55, 83.879, 9.737



54, 84.854, 11.958



54, 100.878, 40.155



50, 6.020, 349.695



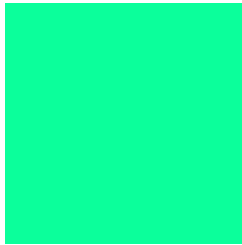
41, 68.227, 10.959



10, 31.319, 4.048

Previews

White Background



This preview shows how the CIE LCh color 89, 79.582, 154.685 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, 79.582, 154.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

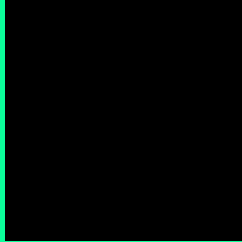
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

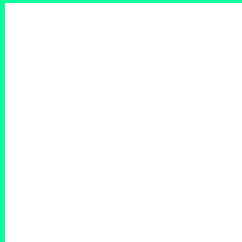
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 79.582, 154.685

Background



This preview shows how black text looks on a background with the CIELCh color 89, 79.582, 154.685.

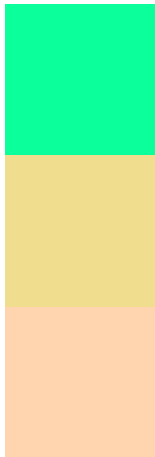


This preview shows how white text looks on a background with the CIELCh color 89, 79.582, 154.685.

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](#).

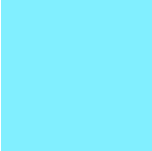
Dichromacy



Original Color
89, 79.541, 154.663

Protanopia
88, 41.411, 95.375

Deuteranopia
88, 26.039, 68.854



Tritanopia
89, 32.545, 212.487

Trichromacy



Original Color
89, 79.541, 154.663



Protanomaly
86, 52.624, 138.955



Deuteranomaly
85, 38.829, 143.431

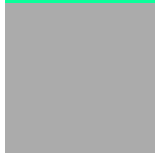


Tritanomaly
88, 47.295, 179.600

Monochromacy



Original Color
89, 79.541, 154.663



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 36.776, 163.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 79.582, 154.685 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(11, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 155)  
}
```

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(11, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 79.582, 154.685 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(11, 255, 155) }
```

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

```
.border{ border-color:rgb(11, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 79.582, 154.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 155) }
```

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

```
.background{ background-color: rgb(11, 255,  
155) }
```

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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