

Converting Colors

CIELCh(89, 80.115, 154.545)

Have a look what the booklet for
CIELCh(89, 80.115, 154.545)
contains.

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Color

CIELCh(89, 80.077, 154.498)

Conversions

Conversions Part 1

Format	Color
Hex	06FF9A
RGB	6, 255, 154
RGB Percent	2%, 100%, 60%
CMY	0.9776, 0.0000, 0.3946
CMYK	0.98, 0.00, 0.39, 0.00
HSL	156°, 100%, 51%
HSV	156°, 98%, 100%
XYZ	41.8259, 74.1641, 42.8448
YIQ	169.0350, -115.9830, -84.1990

Conversions

Conversions Part 2

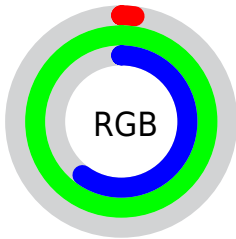
Format	Color
RYB	6, 162, 255
Decimal	458650
CIELab	89.00, -72.28, 34.48
CIELCh	89, 80.077, 154.498
Yxy	74.1641, 0.2633, 0.4669
Android (android.graphics.Color)	4278648730 (0xFF06FF9A)
YUV	169.0350, -7.4123, -142.9817
Hunter-Lab	86.1186, -64.0140, 30.7857

Details

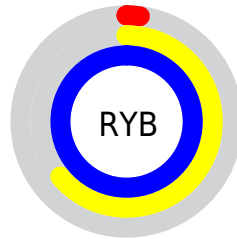
The CIELCh color **89, 80.077, 154.498** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **54, 84.394, 11.307**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 49.671, 167.675**, and **70, 72.140, 149.944** is the 20% darker color. If you saturate the color by 10%, you get **89, 80.857, 154.052**, and if you desaturate by 10%, it is **89, 75.253, 156.851**.

Distribution



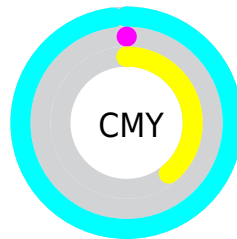
- Red (2%)
- Green (100%)
- Blue (60%)



- Red (2%)
- Yellow (64%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (98%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 80.077, 154.498 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, 80.077, 154.498 by changing the saturation by 10% instead.

 89, 80.077,
154.498

 89, 80.077,
154.498

 100, 80.077,
154.498

 79, 80.077,
154.498

 69, 80.077,
154.498

 59, 80.077,
154.498

 49, 80.077,
154.498

 39, 80.077,
154.498

 29, 80.077,
154.498

 19, 80.077,


154.498


 9, 80.077, 154.498


 0, 80.077, 154.498


 89, 80.077,
154.498


 89, 80.077,
154.498

 89, 80.857,
154.052

 89, 75.253,
156.851

 90, 69.716,
158.950

 90, 63.173,
160.831

 91, 55.646,
162.503

 92, 47.236,

163.986

■ 93, 38.096,
165.305

■ 95, 28.402,
166.487

■ 97, 18.328,
167.559

■ 98, 8.037, 168.561

Harmonies

Complementary

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



89, 80.077, 154.498



54, 84.394, 11.307

Rectangle

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



89, 80.077, 154.498



89, 80.077, 204.498



89, 80.077, 334.498



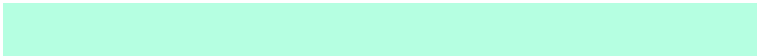
89, 80.077, 24.498

Sweetspot

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



89, 79.882, 154.562



95, 29.630, 166.347



89, 111.510, 130.599



50, 20.218, 165.851



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, 79.882, 154.562



89, 80.857, 154.052



85, 45.156, 210.893



52, 5.888, 168.386



68, 64.599, 154.486



23, 28.052, 157.690

Inverse Universe

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



54, 84.394, 11.307



54, 84.940, 12.460



54, 102.110, 40.375



50, 6.001, 350.008



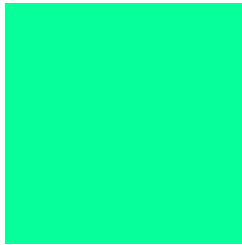
41, 68.283, 11.453



10, 31.308, 4.479

Previews

White Background



This preview shows how the CIE LCh color 89, 80.077, 154.498 looks on a white background.

Color Contrast Check

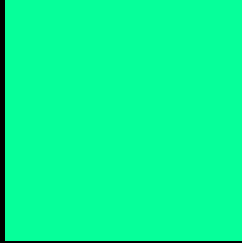
Large Text (above 18pt) WCAG AA × Fail

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, 80.077, 154.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

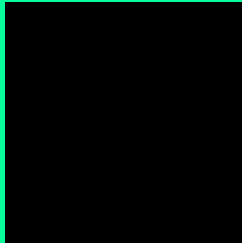
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 80.077, 154.498

Background



This preview shows how black text looks on a background with the CIELCh color 89, 80.077, 154.498.



This preview shows how white text looks on a background with the CIELCh color 89, 80.077, 154.498.

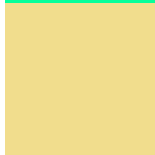
Color Blindness Simulation

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



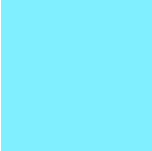
Original Color
89, 80.015, 154.466



Protanopia
88, 41.899, 95.455



Deuteranopia
88, 26.039, 68.854



Tritanopia
89, 32.754, 212.377

Trichromacy



Original Color
89, 80.015, 154.466



Protanomaly
86, 53.435, 139.239



Deuteranomaly
85, 39.676, 143.754

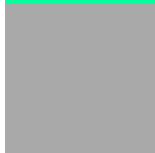


Tritanomaly
88, 47.849, 179.109

Monochromacy



Original Color
89, 80.015, 154.466



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 36.703, 164.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 80.077, 154.498 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(6, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(6, 255, 154)  
}
```

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(6, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 80.077, 154.498 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(6, 255, 154) }
```

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

```
.border{ border-color:rgb(6, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(6, 255,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 80.077, 154.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 154) }
```

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

```
.background{ background-color: rgb(6, 255,  
154) }
```

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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