

Converting Colors

CIELCh(97, 94.709, 153.008)

Have a look what the booklet for
CIELCh(97, 94.709, 153.008)
contains.

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Color

CIELCh(89, 78.654, 155.546)

Conversions

Conversions Part 1

Format	Color
Hex	02FF9E
RGB	2, 255, 158
RGB Percent	1%, 100%, 62%
CMY	0.9936, 0.0000, 0.3795
CMYK	0.99, 0.00, 0.38, 0.00
HSL	157°, 100%, 50%
HSV	157°, 99%, 100%
XYZ	42.0496, 74.1641, 44.5479
YIQ	168.2950, -119.6510, -83.8030

Conversions

Conversions Part 2

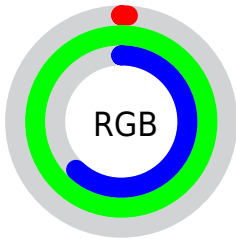
Format	Color
R_{YB}	2, 159, 255
Decimal	196510
CIE _{Lab}	89.00, -71.60, 32.56
CIE _{LCh}	89, 78.654, 155.546
Yxy	74.1641, 0.2616, 0.4613
Android (android.graphics.Color)	4278386590 (0xFF02FF9E)
YUV	168.2950, -5.0754, -145.8407
Hunter-Lab	86.1186, -63.5503, 29.6132

Details

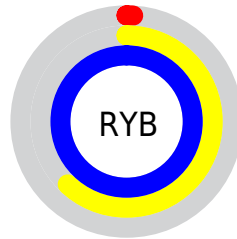
The CIELCh color **89, 78.654, 155.546** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **54, 85.206, 14.261**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 48.425, 169.687**, and **70, 70.586, 151.029** is the 20% darker color. If you saturate the color by 10%, you get **89, 78.800, 155.444**, and if you desaturate by 10%, it is **89, 74.230, 157.874**.

Distribution



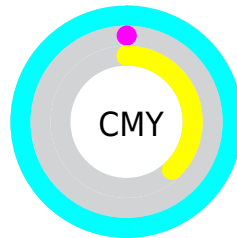
- Red (1%)
- Green (100%)
- Blue (62%)



- Red (1%)
- Yellow (62%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (99%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 78.654, 155.546 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, 78.654, 155.546 by changing the saturation by 10% instead.

 89, 78.654,
155.546

 89, 78.654,
155.546

 100, 78.654,
155.546

 79, 78.654,
155.546

 69, 78.654,
155.546

 59, 78.654,
155.546

 49, 78.654,
155.546

 39, 78.654,
155.546

 29, 78.654,
155.546

 19, 78.654,

155.546

■ 9, 78.654, 155.546

■ 0, 78.654, 155.546

■ 89, 78.654,
155.546

■ 89, 78.654,
155.546

■ 89, 78.800,
155.444

■ 89, 74.230,
157.874

■ 90, 69.078,
159.992

■ 90, 62.929,
161.894

■ 91, 55.785,
163.588

■ 92, 47.733,

165.091

■ 93, 38.913,
166.432

■ 95, 29.495,
167.635

■ 96, 19.655,
168.726

■ 98, 9.557, 169.742

Harmonies

Complementary

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



89, 78.654, 155.546



54, 85.206, 14.261

Rectangle

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



89, 78.654, 155.546



89, 78.654, 205.546



89, 78.654, 335.546



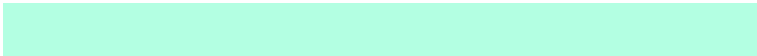
89, 78.654, 25.546

Sweetspot

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



89, 78.536, 155.587



95, 30.110, 167.562



89, 113.147, 131.611



50, 20.416, 167.066



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, 78.536, 155.587



89, 78.800, 155.444



83, 44.068, 217.937



52, 5.803, 169.728



69, 62.972, 155.876



23, 27.403, 159.054

Inverse Universe

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



54, 85.206, 14.261



54, 85.391, 14.596



54, 102.257, 41.091



50, 5.924, 351.369



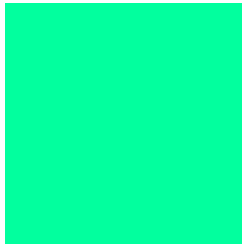
41, 68.587, 13.561



10, 31.283, 6.331

Previews

White Background



This preview shows how the CIE LCh color 89, 78.654, 155.546 looks on a white background.

Color Contrast Check

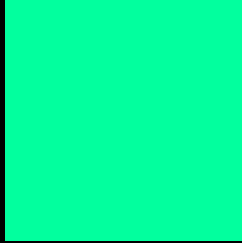
Large Text (above 18pt) WCAG AA × Fail

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, 78.654, 155.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

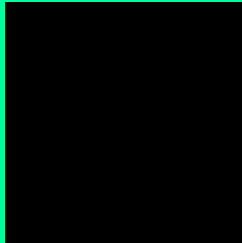
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

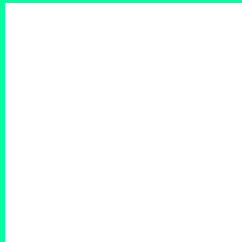
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 78.654, 155.546

Background



This preview shows how black text looks on a background with the CIELCh color 89, 78.654, 155.546.

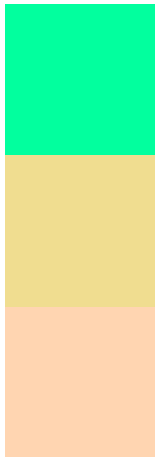


This preview shows how white text looks on a background with the CIELCh color 89, 78.654, 155.546.

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, 78.613, 155.525

Protanopia
88, 40.344, 95.776

Deuteranopia
88, 25.212, 67.512

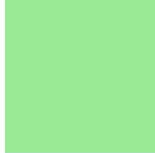


Tritanopia
89, 32.545, 212.487

Trichromacy



Original Color
89, 78.613, 155.525



Protanomaly
86, 52.544, 140.686



Deuteranomaly
85, 38.619, 145.455

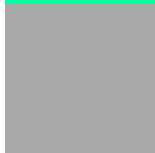


Tritanomaly
88, 47.492, 180.314

Monochromacy



Original Color
89, 78.613, 155.525



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 37.395, 165.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 78.654, 155.546 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(2, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 158)  
}
```

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(2, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 255, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 78.654, 155.546 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(2, 255, 158) }
```

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

```
.border{ border-color:rgb(2, 255, 158) }
```

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

Here you see how a box with a 4 pixel rgb(2, 255, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(2, 255,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 78.654, 155.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 158) }
```

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

```
.background{ background-color: rgb(2, 255,  
158) }
```

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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