

# Converting Colors

CIELCh(89, 79.028, 155.287)

Have a look what the booklet for  
CIELCh(89, 79.028, 155.287)  
contains.

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# Color

**CIELCh(89, 78.983, 155.267)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04FF9D
RGB	4, 255, 157
RGB Percent	2%, 100%, 62%
CMY	0.9849, 0.0000, 0.3833
CMYK	0.98, 0.00, 0.38, 0.00
HSL	157°, 100%, 51%
HSV	157°, 98%, 100%
XYZ	42.0035, 74.1641, 44.1120
YIQ	168.7790, -118.1380, -83.6900

# Conversions

## Conversions Part 2

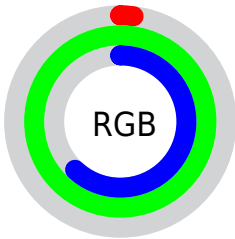
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 160, 255
Decimal	327581
CIELab	89.00, -71.74, 33.05
CIELCh	89, 78.983, 155.267
Yxy	74.1641, 0.2621, 0.4627
Android (android.graphics.Color)	4278517661 (0xFF04FF9D)
YUV	168.7790, -5.8070, -144.5112
Hunter-Lab	86.1186, -63.6460, 29.9133

# Details

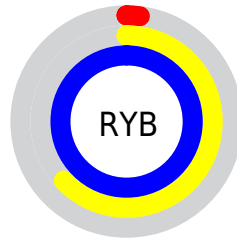
The CIELCh color **89, 78.983, 155.267** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **54, 84.812, 13.092**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 48.732, 169.175**, and **70, 70.975, 150.753** is the 20% darker color. If you saturate the color by 10%, you get **89, 79.488, 154.970**, and if you desaturate by 10%, it is **89, 74.418, 157.599**.

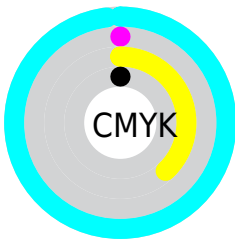
# Distribution



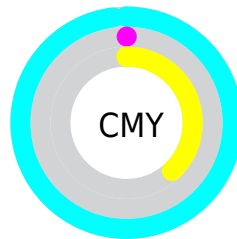
- Red (2%)
- Green (100%)
- Blue (62%)



- Red (2%)
- Yellow (63%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (98%)
- Magenta (0%)
- Yellow (38%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 78.983, 155.267 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, 78.983, 155.267 by changing the saturation by 10% instead.




 89, 78.983,  
155.267

 89, 78.983,  
155.267

 100, 78.983,  
155.267

 79, 78.983,  
155.267

 69, 78.983,  
155.267

 59, 78.983,  
155.267

 49, 78.983,  
155.267

 39, 78.983,  
155.267

 29, 78.983,  
155.267

 19, 78.983,


155.267


 9, 78.983, 155.267


 0, 78.983, 155.267


 89, 78.983,  
155.267


 89, 78.983,  
155.267

 89, 79.488,  
154.970

 89, 74.418,  
157.599

 90, 69.104,  
159.704

 90, 62.789,  
161.593

 91, 55.484,  
163.273

 92, 47.283,

164.764

■ 93, 38.333,  
166.092

■ 95, 28.805,  
167.284

■ 96, 18.876,  
168.367

■ 98, 8.706, 169.377

# Harmonies

# Complementary

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



89, 78.983, 155.267



54, 84.812, 13.092

# Rectangle

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



89, 78.983, 155.267



89, 78.983, 205.267



89, 78.983, 335.267



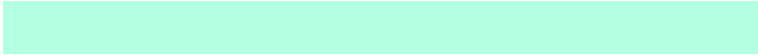
89, 78.983, 25.267

# Sweetspot

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



89, 78.851, 155.312



95, 30.277, 167.112



89, 112.309, 131.112



50, 20.532, 166.617



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

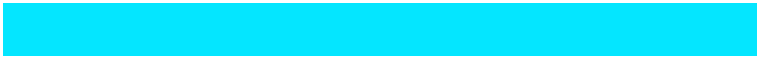
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 78.851, 155.312



89, 79.488, 154.970



84, 44.540, 214.317



52, 5.831, 169.275



68, 63.516, 155.403



23, 27.620, 158.590



# Inverse Universe

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



54, 84.812, 13.092



54, 85.225, 13.884



54, 102.147, 40.716



50, 5.950, 350.909



41, 68.473, 12.857

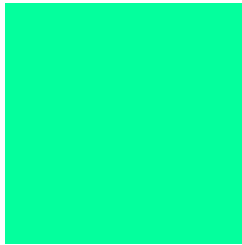


10, 31.287, 5.709



# Previews

## White Background



This preview shows how the CIELCh color 89, 78.983, 155.267 looks on a white background.

## Color Contrast Check

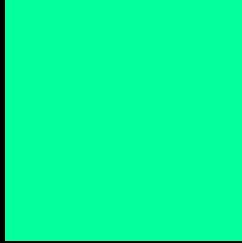
Large Text (above 18pt) WCAG AA × Fail

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, 78.983, 155.267 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

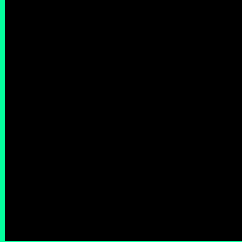
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 89, 78.983, 155.267

## Background



This preview shows how black text looks on a background with the CIELCh color 89, 78.983, 155.267.

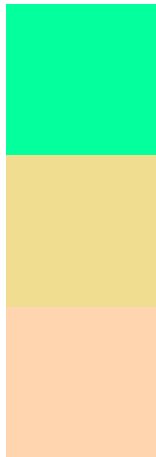


This preview shows how white text looks on a background with the CIELCh color 89, 78.983, 155.267.

# 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, 78.942, 155.246

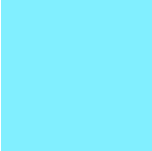
### Protanopia

88, 40.835, 95.855

### Deuteranopia

88, 25.624, 68.195



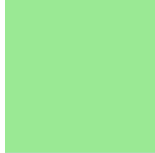


**Tritanopia**  
89, 32.545, 212.487

# Trichromacy



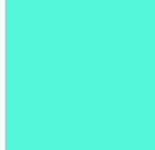
**Original Color**  
89, 78.942, 155.246



**Protanomaly**  
86, 52.775, 140.106



**Deuteranomaly**  
85, 38.827, 144.631

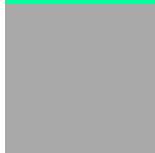


**Tritanomaly**  
88, 47.742, 179.731

# Monochromacy



**Original Color**  
89, 78.942, 155.246



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
74, 36.595, 165.547

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 78.983, 155.267 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(4, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(4, 255, 157)  
}
```

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(4, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 255, 157) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 78.983, 155.267 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(4, 255, 157) }
```

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

```
.border{ border-color:rgb(4, 255, 157) }
```

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

Here you see how a box with a 4 pixel rgb(4, 255, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(4, 255,  
157) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 78.983, 155.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 255, 157) }
```

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

```
.background{ background-color: rgb(4, 255,  
157) }
```

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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