

Converting Colors

CIELCh(89, 75.967, 157.492)

Have a look what the booklet for
CIELCh(89, 75.967, 157.492)
contains.

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Color

CIELCh(89, 76.069, 157.416)

Conversions

Conversions Part 1

Format	Color
Hex	00FFA5
RGB	0, 255, 165
RGB Percent	0%, 100%, 65%
CMY	1.0000, 0.0004, 0.3533
CMYK	1.00, 0.00, 0.35, 0.00
HSL	159°, 100%, 50%
HSV	159°, 100%, 100%
XYZ	42.5023, 74.1641, 47.6285
YIQ	168.4950, -123.0900, -82.0500

Conversions

Conversions Part 2

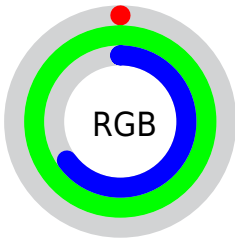
Format	Color
RYB	0, 155, 255
Decimal	65445
CIELab	89.00, -70.24, 29.21
CIELCh	89, 76.069, 157.416
Yxy	74.1641, 0.2587, 0.4514
Android (android.graphics.Color)	4278255525 (0xFF00FFA5)
YUV	168.4950, -1.7230, -147.7701
Hunter-Lab	86.1186, -62.6120, 27.4923

Details

The CIELCh color **89, 76.069, 157.416** 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, 86.178, 17.396**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 46.558, 173.537**, and **70, 68.244, 152.754** is the 20% darker color. If you saturate the color by 10%, you get **89, 76.056, 157.409**, and if you desaturate by 10%, it is **89, 72.087, 159.671**.

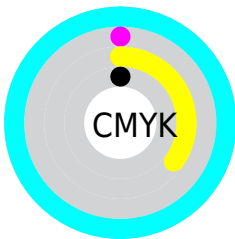
Distribution



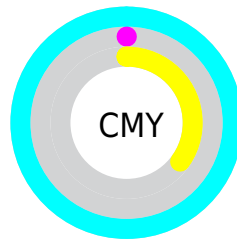
- Red (0%)
- Green (100%)
- Blue (65%)



- Red (0%)
- Yellow (61%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 76.069, 157.416 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, 76.069, 157.416 by changing the saturation by 10% instead.


 89, 76.069,
157.416


 89, 76.069,
157.416


 100, 76.069,
157.416


 79, 76.069,
157.416

 69, 76.069,
157.416

 59, 76.069,
157.416

 49, 76.069,
157.416

 39, 76.069,
157.416

 29, 76.069,
157.416

 19, 76.069,

157.416

■ 9, 76.069, 157.416

■ 0, 76.069, 157.416

■ 89, 76.069,
157.416

■ 89, 76.069,
157.416

■ 89, 76.056,
157.409

■ 89, 72.087,
159.671

■ 90, 67.306,
161.774

■ 90, 61.535,
163.665

■ 91, 54.762,
165.349

■ 92, 47.063,

166.848

■ 93, 38.572,
168.189

■ 95, 29.453,
169.396

■ 96, 19.878,
170.496

■ 98, 10.011,
171.522

Harmonies

Complementary

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



89, 76.069, 157.416



54, 86.178, 17.396

Rectangle

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



89, 76.069, 157.416



89, 76.069, 207.416



89, 76.069, 337.416



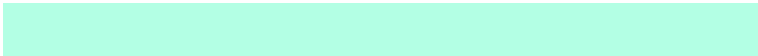
89, 76.069, 27.416

Sweetspot

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



89, 76.056, 157.409



95, 29.462, 169.396



89, 113.849, 132.058



50, 19.963, 168.901



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

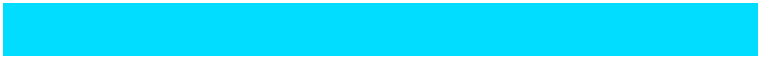
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 76.056, 157.409



89, 76.079, 157.409



81, 43.733, 221.653



52, 5.695, 171.572



69, 60.822, 157.836



23, 26.550, 160.966

Inverse Universe

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



54, 86.178, 17.396



54, 86.204, 17.398



54, 102.167, 41.457



50, 5.827, 353.232



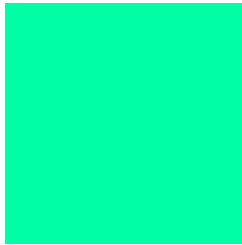
40, 69.159, 16.333



10, 31.304, 8.750

Previews

White Background



This preview shows how the CIE LCh color 89, 76.069, 157.416 looks on a white background.

Color Contrast Check

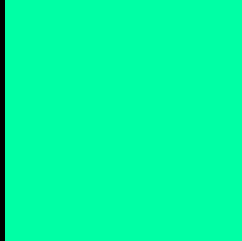
Large Text (above 18pt) WCAG AA × Fail

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, 76.069, 157.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

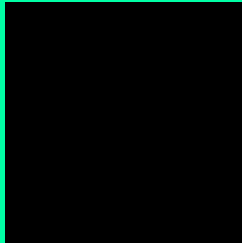
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 76.069, 157.416

Background



This preview shows how black text looks on a background with the CIELCh color 89, 76.069, 157.416.

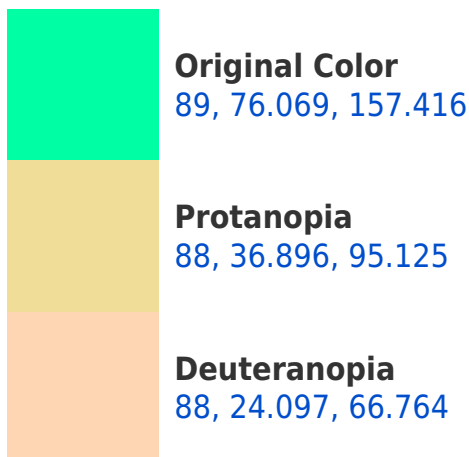


This preview shows how white text looks on a background with the CIELCh color 89, 76.069, 157.416.

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



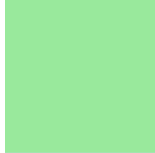


Tritanopia
89, 32.335, 212.598

Trichromacy



Original Color
89, 76.069, 157.416



Protanomaly
86, 49.585, 142.923



Deuteranomaly
85, 37.367, 148.106



Tritanomaly
88, 47.003, 181.499

Monochromacy



Original Color
89, 76.069, 157.416



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 36.392, 167.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 76.069, 157.416 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(0, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 165)  
}
```

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(0, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 76.069, 157.416 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(0, 255, 165) }
```

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

```
.border{ border-color:rgb(0, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 76.069, 157.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 165) }
```

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

```
.background{ background-color: rgb(0, 255,  
165) }
```

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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