

Converting Colors

CIELCh(87, 93.561, 164.873)

Have a look what the booklet for
CIELCh(87, 93.561, 164.873)
contains.

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Color

CIELCh(89, 74.969, 158.255)

Conversions

Conversions Part 1

Format	Color
Hex	00FFA8
RGB	0, 255, 168
RGB Percent	0%, 100%, 66%
CMY	1.0000, 0.0010, 0.3421
CMYK	1.00, 0.00, 0.34, 0.00
HSL	160°, 100%, 50%
HSV	160°, 100%, 100%
XYZ	42.7033, 74.1641, 48.9958
YIQ	168.8370, -124.0530, -81.1170

Conversions

Conversions Part 2

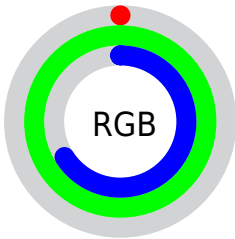
Format	Color
RYB	0, 154, 255
Decimal	65448
CIELab	89.00, -69.63, 27.77
CIELCh	89, 74.969, 158.255
Yxy	74.1641, 0.2575, 0.4471
Android (android.graphics.Color)	4278255528 (0xFF00FFA8)
YUV	168.8370, -0.4126, -148.0700
Hunter-Lab	86.1186, -62.1955, 26.5509

Details

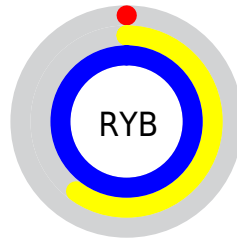
The CIELCh color **89, 74.969, 158.255** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **54, 86.530, 18.503**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 45.459, 175.822**, and **70, 67.073, 153.662** is the 20% darker color. If you saturate the color by 10%, you get **89, 74.935, 158.238**, and if you desaturate by 10%, it is **89, 71.091, 160.486**.

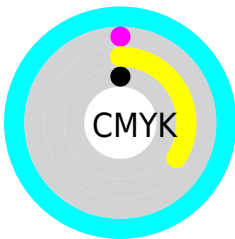
Distribution



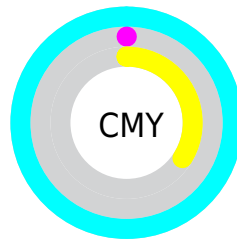
- Red (0%)
- Green (100%)
- Blue (66%)



- Red (0%)
- Yellow (60%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 74.969, 158.255 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, 74.969, 158.255 by changing the saturation by 10% instead.

 89, 74.969,
158.255

 89, 74.969,
158.255


 100, 74.969,
158.255


 79, 74.969,
158.255

 69, 74.969,
158.255

 59, 74.969,
158.255

 49, 74.969,
158.255

 39, 74.969,
158.255


 29, 74.969,
158.255

 19, 74.969,

158.255

 9, 74.969, 158.255


 0, 74.969, 158.255


 89, 74.969,
158.255


 89, 74.969,
158.255

 89, 74.935,
158.238

 89, 71.091,
160.486

 90, 66.439,
162.575

 90, 60.795,
164.452

 91, 54.148,
166.125

 92, 46.572,

167.616

■ 93, 38.197,
168.951

■ 95, 29.186,
170.155

■ 96, 19.710,
171.254

■ 98, 9.932, 172.282

Harmonies

Complementary

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



89, 74.969, 158.255



54, 86.530, 18.503

Rectangle

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



89, 74.969, 158.255



89, 74.969, 208.255



89, 74.969, 338.255



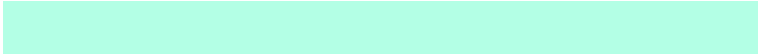
89, 74.969, 28.255

Sweetspot

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



89, 74.935, 158.238



95, 29.209, 170.155



89, 114.287, 132.423



50, 19.787, 169.661



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

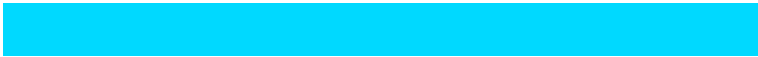
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 74.935, 158.238



89, 74.993, 158.237



80, 43.535, 225.301



52, 5.653, 172.333



69, 59.965, 158.661



23, 26.211, 161.768

Inverse Universe

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



54, 86.530, 18.503



54, 86.597, 18.506



55, 101.611, 41.789



50, 5.790, 353.999



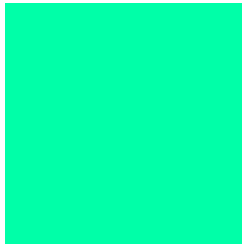
40, 69.441, 17.432



10, 31.327, 9.675

Previews

White Background



This preview shows how the CIELCh color 89, 74.969, 158.255 looks on a white background.

Color Contrast Check

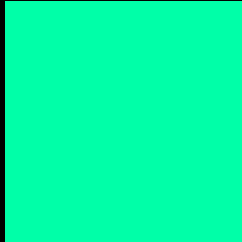
Large Text (above 18pt) WCAG AA × Fail

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, 74.969, 158.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

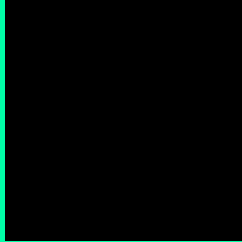
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 74.969, 158.255

Background



This preview shows how black text looks on a background with the CIELCh color 89, 74.969, 158.255.

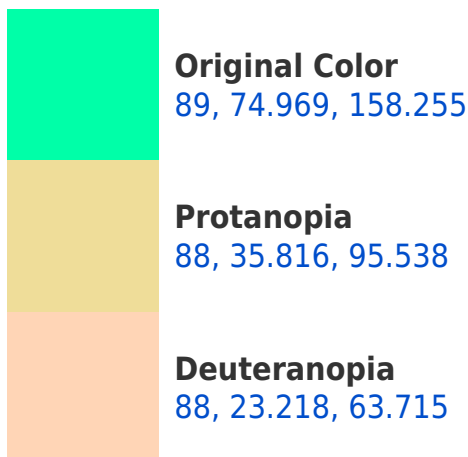


This preview shows how white text looks on a background with the CIELCh color 89, 74.969, 158.255.

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, 74.969, 158.255



Protanomaly
86, 48.948, 143.891



Deuteranomaly
85, 35.948, 149.271

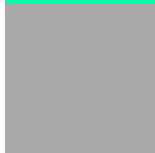


Tritanomaly
88, 46.765, 182.100

Monochromacy



Original Color
89, 74.969, 158.255



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 35.513, 168.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 74.969, 158.255 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 74.969, 158.255 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, 168) }
```

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

```
.border{ border-color:rgb(0, 255, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 74.969, 158.255 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, 168) }
```

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

```
.background{ background-color: rgb(0, 255,  
168) }
```

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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