

Converting Colors

CIELCh(89, 73.566, 159.367)

Have a look what the booklet for
CIELCh(89, 73.566, 159.367)
contains.

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Color

CIELCh(89, 73.874, 159.118)

Conversions

Conversions Part 1

Format	Color
Hex	00FFAB
RGB	0, 255, 171
RGB Percent	0%, 100%, 67%
CMY	1.0000, 0.0016, 0.3309
CMYK	1.00, 0.00, 0.33, 0.00
HSL	160°, 100%, 50%
HSV	160°, 100%, 100%
XYZ	42.9085, 74.1641, 50.3921
YIQ	169.1790, -125.0160, -80.1840

Conversions

Conversions Part 2

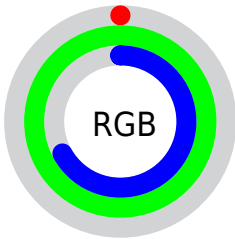
Format	Color
RYB	0, 153, 255
Decimal	65451
CIELab	89.00, -69.02, 26.33
CIELCh	89, 73.874, 159.118
Yxy	74.1641, 0.2562, 0.4429
Android (android.graphics.Color)	4278255531 (0xFF00FFAB)
YUV	169.1790, 0.8978, -148.3700
Hunter-Lab	86.1186, -61.7701, 25.5896

Details

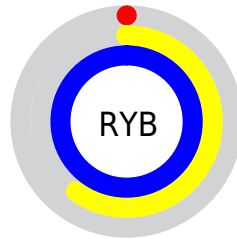
The CIELCh color **89, 73.874, 159.118** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **54, 86.919, 19.598**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.481, 177.533**, and **70, 65.902, 154.601** is the 20% darker color. If you saturate the color by 10%, you get **89, 73.818, 159.091**, and if you desaturate by 10%, it is **89, 70.102, 161.323**.

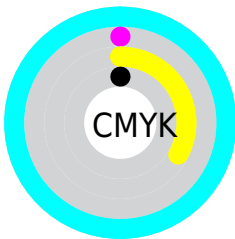
Distribution



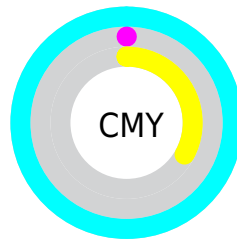
- Red (0%)
- Green (100%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 73.874, 159.118 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, 73.874, 159.118 by changing the saturation by 10% instead.


 89, 73.874,
159.118


 89, 73.874,
159.118


 100, 73.874,
159.118


 79, 73.874,
159.118

 69, 73.874,
159.118

 59, 73.874,
159.118

 49, 73.874,
159.118

 39, 73.874,
159.118

 29, 73.874,
159.118

 19, 73.874,

159.118

■ 9, 73.874, 159.118

■ 0, 73.874, 159.118

■ 89, 73.874,
159.118

■ 89, 73.874,
159.118

■ 89, 73.818,
159.091

■ 89, 70.102,
161.323

■ 90, 65.578,
163.395

■ 90, 60.062,
165.257

■ 91, 53.542,
166.918

■ 92, 46.087,

168.399

■ 93, 37.827,
169.727

■ 94, 28.924,
170.928

■ 96, 19.546,
172.026

■ 98, 9.855, 173.054

Harmonies

Complementary

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



89, 73.874, 159.118



54, 86.919, 19.598

Rectangle

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



89, 73.874, 159.118



89, 73.874, 209.118



89, 73.874, 339.118



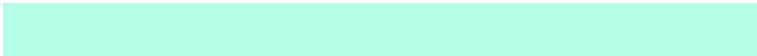
89, 73.874, 29.118

Sweetspot

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



89, 73.818, 159.091



95, 28.961, 170.927



89, 114.705, 132.767



50, 19.613, 170.435



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

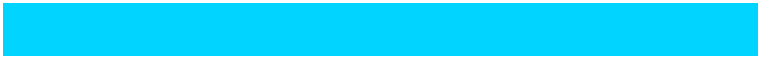
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 73.818, 159.091



89, 73.911, 159.089



79, 43.499, 228.997



52, 5.612, 173.105



69, 59.111, 159.510



23, 25.874, 162.590

Inverse Universe

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



54, 86.919, 19.598



54, 87.027, 19.603



55, 101.006, 42.162



50, 5.754, 354.776



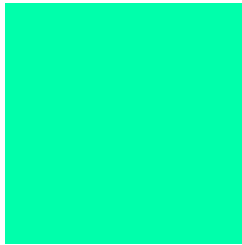
40, 69.754, 18.523



10, 31.357, 10.574

Previews

White Background



This preview shows how the CIE LCh color 89, 73.874, 159.118 looks on a white background.

Color Contrast Check

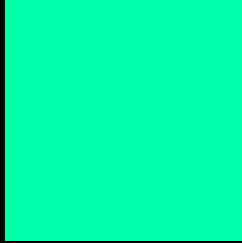
Large Text (above 18pt) WCAG AA × Fail

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, 73.874, 159.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

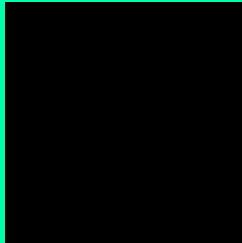
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 73.874, 159.118

Background



This preview shows how black text looks on a background with the CIELCh color 89, 73.874, 159.118.

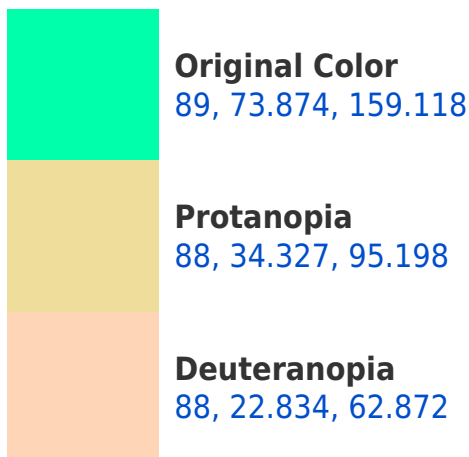


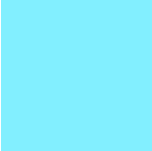
This preview shows how white text looks on a background with the CIELCh color 89, 73.874, 159.118.

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, 73.874, 159.118



Protanomaly
86, 47.696, 144.963



Deuteranomaly
85, 35.543, 149.807

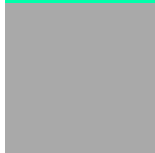


Tritanomaly
88, 46.532, 182.708

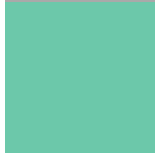
Monochromacy



Original Color
89, 73.874, 159.118



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 35.195, 169.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 73.874, 159.118 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 73.874, 159.118 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, 171) }
```

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

```
.border{ border-color:rgb(0, 255, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 73.874, 159.118 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, 171) }
```

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

```
.background{ background-color: rgb(0, 255,  
171) }
```

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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