

Converting Colors

CIELCh(89, 70.568, 161.919)

Have a look what the booklet for
CIELCh(89, 70.568, 161.919)
contains.

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Color

CIELCh(89, 70.522, 161.771)

Conversions

Conversions Part 1

Format	Color
Hex	00FEB3
RGB	0, 254, 179
RGB Percent	0%, 100%, 70%
CMY	0.9989, 0.0038, 0.2979
CMYK	1.00, 0.00, 0.30, 0.00
HSL	162°, 100%, 50%
HSV	162°, 100%, 100%
XYZ	43.5964, 74.1641, 54.6826
YIQ	169.5040, -127.3090, -77.1730

Conversions

Conversions Part 2

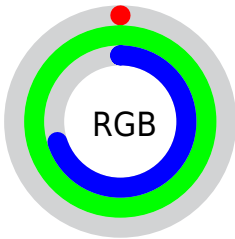
Format	Color
RYB	0, 149, 254
Decimal	65203
CIELab	89.00, -66.98, 22.06
CIELCh	89, 70.522, 161.771
Yxy	74.1641, 0.2528, 0.4301
Android (android.graphics.Color)	4278255283 (0xFF00FEB3)
YUV	169.5040, 4.6815, -148.6550
Hunter-Lab	86.1186, -60.3442, 22.6357

Details

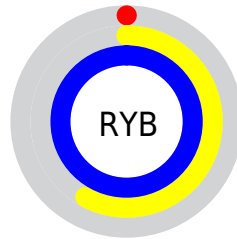
The CIELCh color **89, 70.522, 161.771** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **54, 88.187, 22.677**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 42.770, 182.653**, and **70, 62.300, 157.509** is the 20% darker color. If you saturate the color by 10%, you get **89, 70.559, 161.746**, and if you desaturate by 10%, it is **89, 67.179, 163.942**.

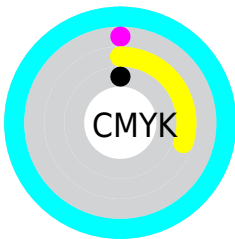
Distribution



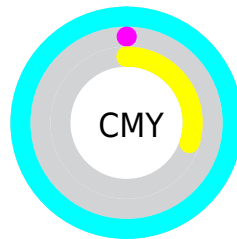
- Red (0%)
- Green (100%)
- Blue (70%)



- Red (0%)
- Yellow (58%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 70.522, 161.771 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, 70.522, 161.771 by changing the saturation by 10% instead.


 89, 70.522,
161.771


 89, 70.522,
161.771


 100, 70.522,
161.771


 79, 70.522,
161.771

 69, 70.522,
161.771

 59, 70.522,
161.771

 49, 70.522,
161.771

 39, 70.522,
161.771

 29, 70.522,
161.771

 19, 70.522,

161.771

■ 9, 70.522, 161.771

■ 0, 70.522, 161.771

■ 89, 70.522,
161.771

■ 89, 70.522,
161.771

■ 89, 70.559,
161.746

■ 89, 67.179,
163.942

■ 90, 63.025,
165.951

■ 90, 57.876,
167.755

■ 91, 51.714,
169.367

■ 92, 44.604,

170.810

■ 93, 36.672,
172.109

■ 94, 28.071,
173.290

■ 96, 18.970,
174.378

■ 98, 9.526, 175.405

Harmonies

Complementary

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



89, 70.522, 161.771



54, 88.187, 22.677

Rectangle

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



89, 70.522, 161.771



89, 70.522, 211.771



89, 70.522, 341.771



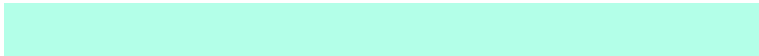
89, 70.522, 31.771

Sweetspot

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



89, 70.522, 161.770



95, 28.258, 173.277



88, 115.363, 133.387



50, 19.120, 172.791



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

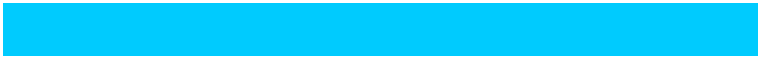
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 70.522, 161.770



89, 70.766, 161.741



76, 43.889, 236.376



52, 5.497, 175.444



69, 56.630, 162.152



23, 24.899, 165.133

Inverse Universe

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



54, 88.187, 22.677



54, 88.498, 22.752



56, 99.507, 43.036



50, 5.654, 357.121



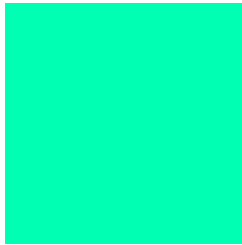
40, 70.837, 21.661



10, 31.479, 13.057

Previews

White Background



This preview shows how the CIE LCh color 89, 70.522, 161.771 looks on a white background.

Color Contrast Check

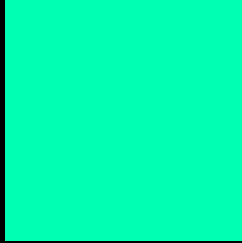
Large Text (above 18pt) WCAG AA × Fail

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, 70.522, 161.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

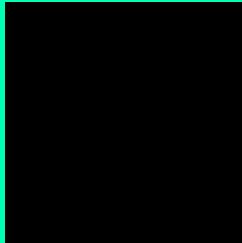
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

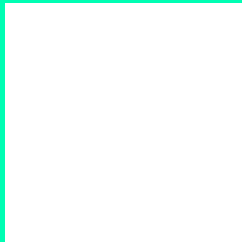
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 70.522, 161.771

Background



This preview shows how black text looks on a background with the CIELCh color 89, 70.522, 161.771.

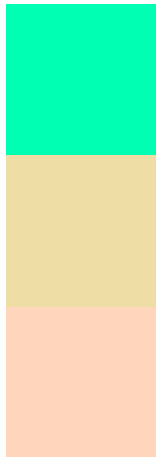


This preview shows how white text looks on a background with the CIELCh color 89, 70.522, 161.771.

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](#).

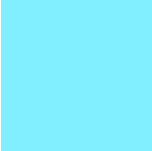
Dichromacy



Original Color
89, 70.522, 161.771

Protanopia
88, 30.249, 94.799

Deuteranopia
88, 21.000, 58.178

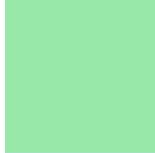


Tritanopia
89, 32.545, 212.487

Trichromacy



Original Color
89, 70.522, 161.771



Protanomaly
86, 44.402, 148.092



Deuteranomaly
85, 32.782, 153.897



Tritanomaly
88, 45.605, 185.170

Monochromacy



Original Color
89, 70.522, 161.771



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 34.799, 170.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 70.522, 161.771 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, 254, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 179)  
}
```

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, 254, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 70.522, 161.771 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, 254, 179) }
```

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

```
.border{ border-color:rgb(0, 254, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 70.522, 161.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 179) }
```

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

```
.background{ background-color: rgb(0, 254,  
179) }
```

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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