

Converting Colors

CIELCh(89, 73.025, 159.809)

Have a look what the booklet for
CIELCh(89, 73.025, 159.809)
contains.

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Color

CIELCh(89, 72.678, 159.916)

Conversions

Conversions Part 1

Format	Color
Hex	02FEAD
RGB	2, 254, 173
RGB Percent	1%, 100%, 68%
CMY	0.9903, 0.0025, 0.3202
CMYK	0.99, 0.00, 0.32, 0.00
HSL	161°, 100%, 50%
HSV	161°, 99%, 100%
XYZ	43.1652, 74.1641, 51.7472
YIQ	169.4180, -124.1910, -78.6150

Conversions

Conversions Part 2

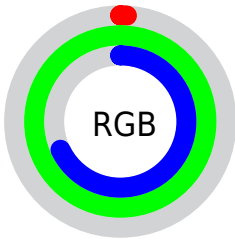
Format	Color
RYB	2, 152, 254
Decimal	196269
CIELab	89.00, -68.26, 24.96
CIElCh	89, 72.678, 159.916
Yxy	74.1641, 0.2553, 0.4386
Android (android.graphics.Color)	4278386349 (0xFF02FEAD)
YUV	169.4180, 1.7659, -146.8256
Hunter-Lab	86.1186, -61.2381, 24.6566

Details

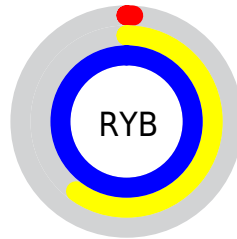
The CIELCh color **89, 72.678, 159.916** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **54, 86.790, 19.824**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 43.978, 178.759**, and **70, 64.628, 155.455** is the 20% darker color. If you saturate the color by 10%, you get **89, 73.017, 159.703**, and if you desaturate by 10%, it is **89, 69.002, 162.131**.

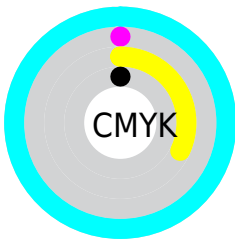
Distribution



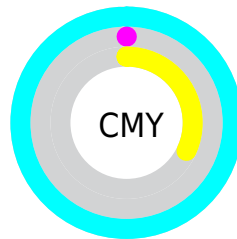
- Red (1%)
- Green (100%)
- Blue (68%)



- Red (1%)
- Yellow (60%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (99%)
- Magenta (0%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 72.678, 159.916 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, 72.678, 159.916 by changing the saturation by 10% instead.


 89, 72.678,
159.916


 89, 72.678,
159.916


 100, 72.678,
159.916


 79, 72.678,
159.916

 69, 72.678,
159.916

 59, 72.678,
159.916

 49, 72.678,
159.916

 39, 72.678,
159.916

 29, 72.678,
159.916

 19, 72.678,

159.916

■ 9, 72.678, 159.916

■ 0, 72.678, 159.916

■ 89, 72.678,
159.916

■ 89, 72.678,
159.916

■ 89, 73.017,
159.703

■ 89, 69.002,
162.131

■ 90, 64.477,
164.171

■ 90, 58.955,
166.001

■ 91, 52.429,
167.634

■ 92, 44.977,

169.091

■ 93, 36.730,
170.400

■ 95, 27.850,
171.587

■ 96, 18.504,
172.675

■ 98, 8.854, 173.701

Harmonies

Complementary

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



89, 72.678, 159.916



54, 86.790, 19.824

Rectangle

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



89, 72.678, 159.916



89, 72.678, 209.916



89, 72.678, 339.916



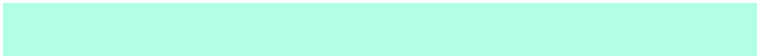
89, 72.678, 29.916

Sweetspot

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



89, 72.678, 159.916



95, 28.790, 171.476



89, 114.293, 132.686



50, 19.493, 170.985



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

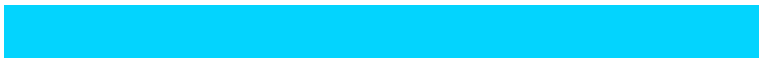
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 72.678, 159.916



89, 73.157, 159.700



79, 43.418, 228.676



52, 5.584, 173.652



69, 58.516, 160.119



23, 25.640, 163.178

Inverse Universe

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



54, 86.790, 19.824



54, 87.350, 20.364



55, 100.285, 42.113



50, 5.729, 355.326



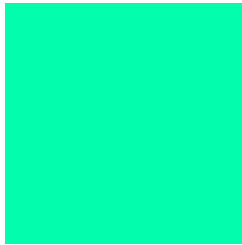
40, 69.989, 19.279



10, 31.382, 11.186

Previews

White Background



This preview shows how the CIE LCh color 89, 72.678, 159.916 looks on a white background.

Color Contrast Check

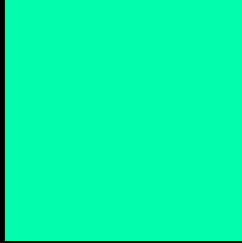
Large Text (above 18pt) WCAG AA × Fail

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, 72.678, 159.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

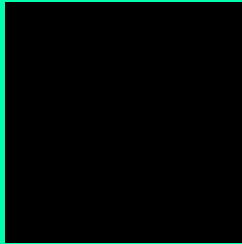
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 72.678, 159.916

Background



This preview shows how black text looks on a background with the CIELCh color 89, 72.678, 159.916.

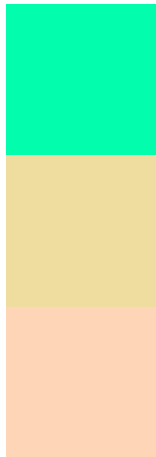


This preview shows how white text looks on a background with the CIELCh color 89, 72.678, 159.916.

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, 72.636, 159.896

Protanopia

88, 32.745, 95.501

Deuteranopia

88, 22.455, 61.998



Tritanopia
89, 32.335, 212.598

Trichromacy



Original Color
89, 72.636, 159.896



Protanomaly
86, 46.452, 146.088



Deuteranomaly
85, 34.509, 150.541

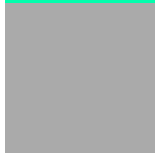


Tritanomaly
88, 46.155, 183.288

Monochromacy



Original Color
89, 72.636, 159.896



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 35.182, 169.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 72.678, 159.916 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(2, 254, 173)` looks like.

```
.text, #text, p{  
    color:rgb(2, 254, 173)  
}
```

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(2, 254, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 254, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 72.678, 159.916 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(2, 254, 173) }
```

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

```
.border{ border-color:rgb(2, 254, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 254, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 254, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 254, 173);  
box-shadow:4px 4px 4px 4px rgb(2, 254,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 72.678, 159.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 254, 173) }
```

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

```
.background{ background-color: rgb(2, 254,  
173) }
```

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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