

Converting Colors

CIELCh(87, 71.378, 159.858)

Have a look what the booklet for
CIELCh(87, 71.378, 159.858)
contains.

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Color

CIELCh(87, 71.262, 159.952)

Conversions

Conversions Part 1

Format	Color
Hex	02F8A9
RGB	2, 248, 169
RGB Percent	1%, 97%, 66%
CMY	0.9922, 0.0275, 0.3373
CMYK	0.99, 0.00, 0.32, 0.03
HSL	161°, 98%, 49%
HSV	161°, 99%, 97%
XYZ	40.7499, 70.0064, 48.8969
YIQ	165.4400, -121.2570, -76.7210

Conversions

Conversions Part 2

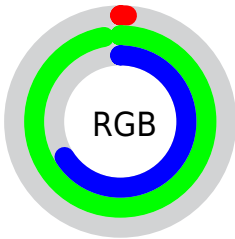
Format	Color
R_{YB}	2, 149, 248
Decimal	194729
CIE _{Lab}	87.00, -66.94, 24.43
CIE _{LCh}	87, 71.262, 159.952
Yxy	70.0064, 0.2552, 0.4385
Android (android.graphics.Color)	4278384809 (0xFF02F8A9)
YUV	165.4400, 1.7551, -143.3369
Hunter-Lab	83.6698, -59.4868, 23.9196

Details

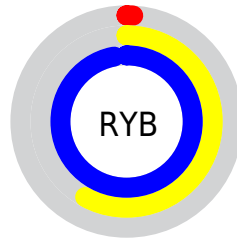
The CIELCh color **87, 71.262, 159.952** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **53, 85.184, 19.883**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 45.385, 176.485**, and **68, 63.213, 155.397** is the 20% darker color. If you saturate the color by 10%, you get **87, 71.538, 159.776**, and if you desaturate by 10%, it is **87, 67.664, 162.161**.

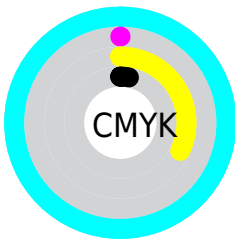
Distribution



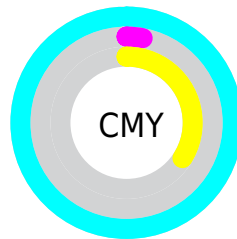
- Red (1%)
- Green (97%)
- Blue (66%)



- Red (1%)
- Yellow (58%)
- Blue (97%)



- Cyan (99%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)





- Cyan (99%)
- Magenta (3%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 71.262, 159.952 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 87, 71.262, 159.952 by changing the saturation by 10% instead.


 87, 71.262,
159.952


 87, 71.262,
159.952


 100, 71.262,
159.952


 77, 71.262,
159.952

 67, 71.262,
159.952

 57, 71.262,
159.952

 47, 71.262,
159.952

 37, 71.262,
159.952

 27, 71.262,
159.952

 17, 71.262,

159.952

■ 7, 71.262, 159.952

■ 0, 71.262, 159.952

■ 87, 71.262,
159.952

■ 87, 71.262,
159.952

■ 87, 71.538,
159.776

■ 87, 67.664,
162.161

■ 88, 63.242,
164.198

■ 88, 57.844,
166.026

■ 89, 51.464,
167.658

■ 90, 44.177,

169.114

■ 91, 36.110,
170.423

■ 92, 27.422,
171.608

■ 94, 18.276,
172.696

■ 96, 8.829, 173.722

Harmonies

Complementary

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



87, 71.262, 159.952



53, 85.184, 19.883

Rectangle

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



87, 71.262, 159.952



87, 71.262, 209.952



87, 71.262, 339.952



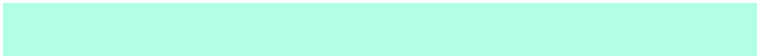
87, 71.262, 29.952

Sweetspot

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



87, 71.262, 159.952



95, 28.779, 171.512



87, 112.143, 132.683



50, 19.485, 171.021



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 71.262, 159.952



89, 73.108, 159.740



77, 42.598, 228.682



51, 5.490, 173.691



68, 57.874, 160.182



22, 24.883, 163.393

Inverse Universe

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



53, 85.184, 19.883



54, 87.372, 20.414



54, 98.435, 42.141



49, 5.633, 355.360



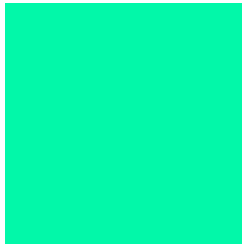
40, 69.290, 19.271



9, 30.515, 10.577

Previews

White Background



This preview shows how the CIE LCh color 87, 71.262, 159.952 looks on a white background.

Color Contrast Check

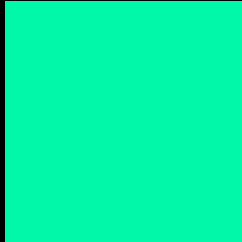
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 71.262, 159.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

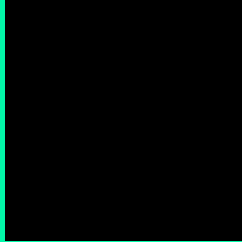
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 71.262, 159.952

Background



This preview shows how black text looks on a background with the CIELCh color 87, 71.262, 159.952.

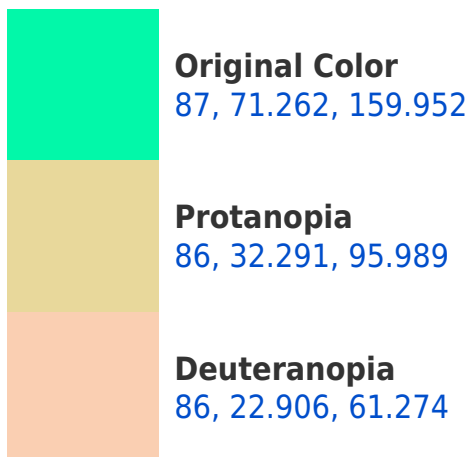


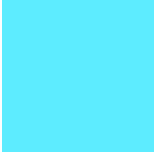
This preview shows how white text looks on a background with the CIELCh color 87, 71.262, 159.952.

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
87, 38.523, 212.269

Trichromacy



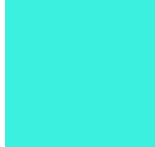
Original Color
87, 71.262, 159.952



Protanomaly
84, 45.998, 146.118



Deuteranomaly
83, 33.578, 149.891



Tritanomaly
86, 47.454, 186.071

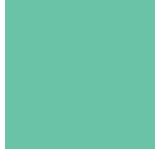
Monochromacy



Original Color
87, 71.262, 159.952



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 34.240, 169.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 71.262, 159.952 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, 248, 169)` looks like.

```
.text, #text, p{  
    color:rgb(2, 248, 169)  
}
```

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, 248, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 248, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 71.262, 159.952 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, 248, 169) }
```

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

```
.border{ border-color:rgb(2, 248, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 248, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 248, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 248, 169);  
box-shadow:4px 4px 4px 4px rgb(2, 248,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 71.262, 159.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 248, 169) }
```

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

```
.background{ background-color: rgb(2, 248,  
169) }
```

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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