

Converting Colors

CIELCh(87, 70.411, 160.839)

Have a look what the booklet for
CIELCh(87, 70.411, 160.839)
contains.

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Color

CIELCh(87, 70.219, 160.911)

Conversions

Conversions Part 1

Format	Color
Hex	00F8AC
RGB	0, 248, 172
RGB Percent	0%, 97%, 67%
CMY	1.0000, 0.0280, 0.3260
CMYK	1.00, 0.00, 0.31, 0.03
HSL	162°, 100%, 49%
HSV	162°, 100%, 97%
XYZ	40.9403, 70.0064, 50.3135
YIQ	165.1840, -123.4120, -76.2120

Conversions

Conversions Part 2

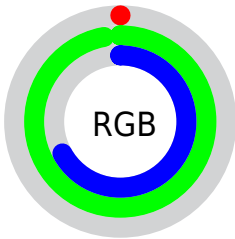
Format	Color
RYB	0, 146, 248
Decimal	63660
CIELab	87.00, -66.36, 22.96
CIELCh	87, 70.219, 160.911
Yxy	70.0064, 0.2539, 0.4341
Android (android.graphics.Color)	4278253740 (0xFF00F8AC)
YUV	165.1840, 3.3603, -144.8664
Hunter-Lab	83.6698, -59.0807, 22.9158

Details

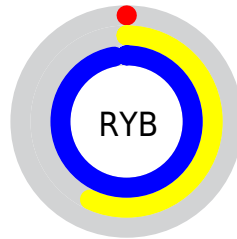
The CIELCh color **87, 70.219, 160.911** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **52, 86.072, 21.659**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 44.613, 178.281**, and **68, 62.040, 156.434** is the 20% darker color. If you saturate the color by 10%, you get **87, 70.198, 160.901**, and if you desaturate by 10%, it is **87, 66.796, 163.088**.

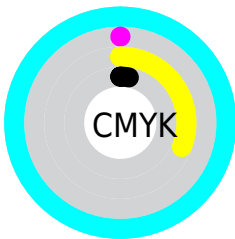
Distribution



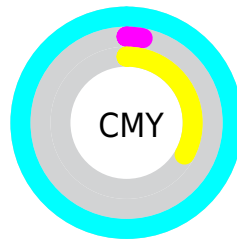
- Red (0%)
- Green (97%)
- Blue (67%)



- Red (0%)
- Yellow (57%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 70.219, 160.911 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, 70.219, 160.911 by changing the saturation by 10% instead.


 87, 70.219,
160.911


 87, 70.219,
160.911


 100, 70.219,
160.911


 77, 70.219,
160.911

 67, 70.219,
160.911

 57, 70.219,
160.911

 47, 70.219,
160.911

 37, 70.219,
160.911

 27, 70.219,
160.911

 17, 70.219,

160.911

■ 7, 70.219, 160.911

■ 0, 70.219, 160.911

■ 87, 70.219,
160.911

■ 87, 70.219,
160.911

■ 87, 70.198,
160.901

■ 87, 66.796,
163.088

■ 88, 62.607,
165.116

■ 88, 57.445,
166.937

■ 89, 51.295,
168.564

■ 90, 44.223,

170.019

■ 91, 36.351,
171.327

■ 92, 27.833,
172.514

■ 94, 18.833,
173.605

■ 96, 9.507, 174.632

Harmonies

Complementary

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



87, 70.219, 160.911



52, 86.072, 21.659

Rectangle

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



87, 70.219, 160.911



87, 70.219, 210.911



87, 70.219, 340.911



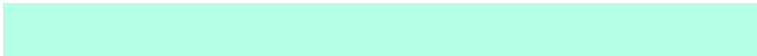
87, 70.219, 30.911

Sweetspot

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



87, 70.198, 160.901



95, 28.480, 172.509



86, 112.816, 133.074



50, 19.275, 172.021



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

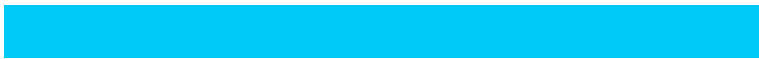
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 70.198, 160.901



89, 71.770, 160.864



76, 42.769, 232.657



51, 5.442, 174.683



68, 56.830, 161.301



22, 24.483, 164.468

Inverse Universe

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



52, 86.072, 21.659



54, 87.993, 21.755



54, 98.339, 42.607



49, 5.591, 356.356



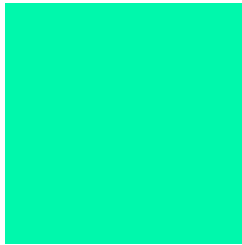
40, 69.741, 20.607



9, 30.552, 11.587

Previews

White Background



This preview shows how the CIE LCh color 87, 70.219, 160.911 looks on a white background.

Color Contrast Check

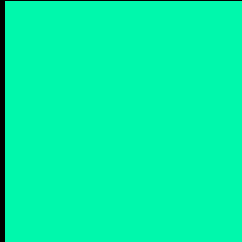
Large Text (above 18pt) WCAG AA × Fail

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 87, 70.219, 160.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

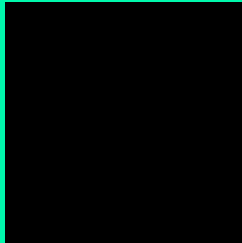
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 70.219, 160.911

Background



This preview shows how black text looks on a background with the CIELCh color 87, 70.219, 160.911.

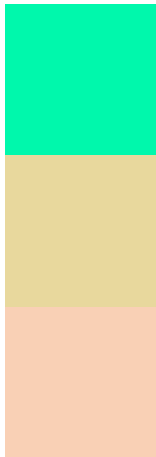


This preview shows how white text looks on a background with the CIELCh color 87, 70.219, 160.911.

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
87, 70.219, 160.911

Protanopia
86, 31.288, 95.736

Deuteranopia
86, 21.527, 60.781



Tritanopia
87, 38.523, 212.269

Trichromacy



Original Color
87, 70.219, 160.911



Protanomaly
84, 45.172, 146.911



Deuteranomaly
83, 32.849, 152.455



Tritanomaly
86, 47.347, 186.705

Monochromacy



Original Color
87, 70.219, 160.911



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 34.164, 170.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 70.219, 160.911 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, 248, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 172)  
}
```

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, 248, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 70.219, 160.911 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, 248, 172) }
```

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

```
.border{ border-color:rgb(0, 248, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 70.219, 160.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 172) }
```

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

```
.background{ background-color: rgb(0, 248,  
172) }
```

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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