

Converting Colors

CIELCh(87, 70.876, 160.220)

Have a look what the booklet for
CIELCh(87, 70.876, 160.220)
contains.

CIELCh(87, 70.856, 160.241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 70.856, 160.241)

Conversions

Conversions Part 1

Format	Color
Hex	03F8AA
RGB	3, 248, 170
RGB Percent	1%, 97%, 67%
CMY	0.9863, 0.0278, 0.3336
CMYK	0.99, 0.00, 0.31, 0.03
HSL	161°, 97%, 49%
HSV	161°, 99%, 97%
XYZ	40.8342, 70.0064, 49.3535
YIQ	165.8530, -120.9820, -76.1980

Conversions

Conversions Part 2

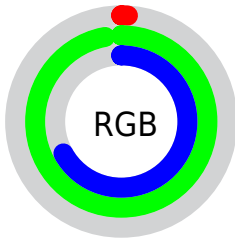
Format	Color
RYB	3, 149, 248
Decimal	260266
CIELab	87.00, -66.68, 23.95
CIELCh	87, 70.856, 160.241
Yxy	70.0064, 0.2549, 0.4370
Android (android.graphics.Color)	4278450346 (0xFF03F8AA)
YUV	165.8530, 2.0445, -142.8221
Hunter-Lab	83.6698, -59.3070, 23.5961

Details

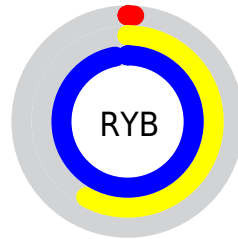
The CIELCh color **87, 70.856, 160.241** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **53, 85.002, 19.740**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 45.124, 177.077**, and **68, 62.822, 155.738** is the 20% darker color. If you saturate the color by 10%, you get **87, 71.337, 159.933**, and if you desaturate by 10%, it is **87, 67.247, 162.443**.

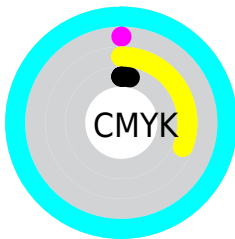
Distribution



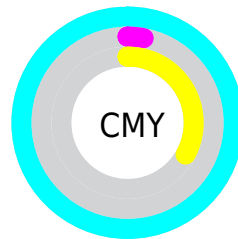
- Red (1%)
- Green (97%)
- Blue (67%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (31%)
- Black (3%)





- Cyan (99%)
- Magenta (3%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 70.856, 160.241 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, 70.856, 160.241 by changing the saturation by 10% instead.


 87, 70.856,
160.241


 87, 70.856,
160.241


 100, 70.856,
160.241


 77, 70.856,
160.241

 67, 70.856,
160.241

 57, 70.856,
160.241

 47, 70.856,
160.241

 37, 70.856,
160.241

 27, 70.856,
160.241

 17, 70.856,

160.241

■ 7, 70.856, 160.241

■ 0, 70.856, 160.241

■ 87, 70.856,
160.241

■ 87, 70.856,
160.241

■ 87, 71.337,
159.933

■ 87, 67.247,
162.443

■ 88, 62.791,
164.463

■ 88, 57.356,
166.276

■ 89, 50.941,
167.894

■ 90, 43.625,

169.339

■ 91, 35.536,
170.638

■ 93, 26.835,
171.816

■ 94, 17.684,
172.899

■ 96, 8.240, 173.923

Harmonies

Complementary

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



87, 70.856, 160.241



53, 85.002, 19.740

Rectangle

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



87, 70.856, 160.241



87, 70.856, 210.241



87, 70.856, 340.241



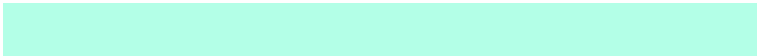
87, 70.856, 30.241

Sweetspot

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



87, 70.856, 160.241



95, 28.736, 171.652



87, 111.907, 132.633



50, 19.455, 171.161



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, 70.856, 160.241



89, 72.918, 159.897



77, 42.556, 228.484



51, 5.483, 173.830



68, 57.726, 160.338



22, 24.826, 163.542

Inverse Universe

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



53, 85.002, 19.740



54, 87.456, 20.605



54, 98.005, 42.113



49, 5.627, 355.500



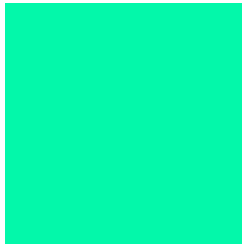
40, 69.351, 19.461



9, 30.520, 10.722

Previews

White Background



This preview shows how the CIELCh color 87, 70.856, 160.241 looks on a white background.

Color Contrast Check

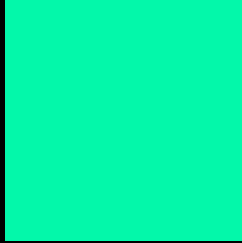
Large Text (above 18pt) WCAG AA × Fail

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, 70.856, 160.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

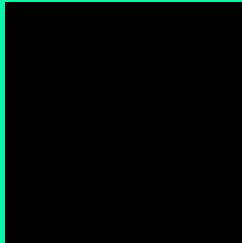
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

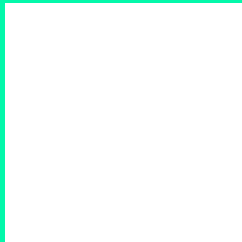
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 70.856, 160.241

Background



This preview shows how black text looks on a background with the CIELCh color 87, 70.856, 160.241.

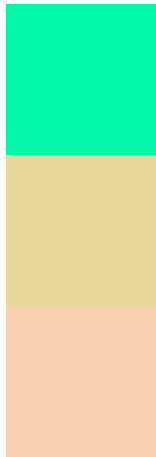


This preview shows how white text looks on a background with the CIELCh color 87, 70.856, 160.241.

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, 70.877, 160.251

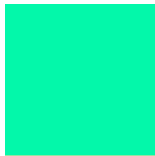
Protanopia
86, 31.789, 95.865

Deuteranopia
86, 22.578, 61.945



Tritanopia
87, 38.523, 212.269

Trichromacy



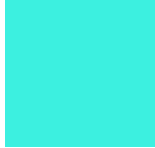
Original Color
87, 70.877, 160.251



Protanomaly
84, 45.372, 146.221



Deuteranomaly
84, 33.782, 150.293



Tritanomaly
86, 47.454, 186.071

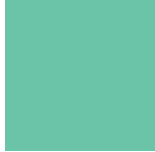
Monochromacy



Original Color
87, 70.877, 160.251



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 34.227, 169.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 70.856, 160.241 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(3, 248, 170)` looks like.

```
.text, #text, p{  
    color:rgb(3, 248, 170)  
}
```

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(3, 248, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 248, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 70.856, 160.241 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(3, 248, 170) }
```

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

```
.border{ border-color:rgb(3, 248, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 248, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 248, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 248, 170);  
box-shadow:4px 4px 4px 4px rgb(3, 248,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 70.856, 160.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 248, 170) }
```

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

```
.background{ background-color: rgb(3, 248,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor