

Converting Colors

CIELCh(88, 67.826, 163.902)

Have a look what the booklet for
CIELCh(88, 67.826, 163.902)
contains.

CIELCh(88, 67.711, 163.814)	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(88, 67.711, 163.814)

Conversions

Conversions Part 1

Format	Color
Hex	00FBB7
RGB	0, 251, 183
RGB Percent	0%, 98%, 72%
CMY	1.0000, 0.0176, 0.2841
CMYK	1.00, 0.00, 0.27, 0.02
HSL	164°, 100%, 49%
HSV	164°, 100%, 98%
XYZ	42.8027, 72.0653, 56.2045
YIQ	168.1990, -127.7680, -74.3600

Conversions

Conversions Part 2

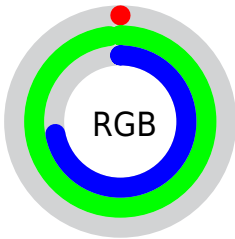
Format	Color
RYB	0, 145, 251
Decimal	64439
CIELab	88.00, -65.03, 18.87
CIELCh	88, 67.711, 163.814
Yxy	72.0653, 0.2502, 0.4213
Android (android.graphics.Color)	4278254519 (0xFF00FBB7)
YUV	168.1990, 7.2969, -147.5105
Hunter-Lab	84.8913, -58.5590, 20.1694

Details

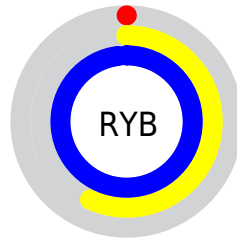
The CIELCh color **88, 67.711, 163.814** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **53, 88.477, 24.835**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 41.931, 185.334**, and **69, 59.279, 159.747** is the 20% darker color. If you saturate the color by 10%, you get **88, 67.643, 163.783**, and if you desaturate by 10%, it is **88, 64.600, 165.895**.

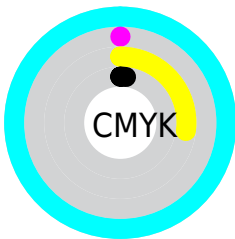
Distribution



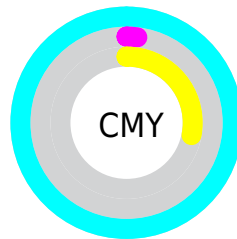
- Red (0%)
- Green (98%)
- Blue (72%)



- Red (0%)
- Yellow (57%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 67.711, 163.814 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 88, 67.711, 163.814 by changing the saturation by 10% instead.


 88, 67.711,
163.814

 88, 67.711,
163.814

 100, 67.711,
163.814


 78, 67.711,
163.814

 68, 67.711,
163.814

 58, 67.711,
163.814


 48, 67.711,
163.814


 38, 67.711,
163.814


 28, 67.711,
163.814

 18, 67.711,


163.814


 8, 67.711, 163.814


 0, 67.711, 163.814

 88, 67.711,
163.814


 88, 67.711,
163.814

 88, 67.643,
163.783

 88, 64.600,
165.895

 89, 60.760,
167.847

 89, 55.932,
169.601

 90, 50.094,
171.171

 91, 43.307,

172.579

■ 92, 35.690,
173.852

■ 93, 27.391,
175.015

■ 95, 18.574,
176.090

■ 97, 9.395, 177.111

Harmonies

Complementary

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



88, 67.711, 163.814



53, 88.477, 24.835

Rectangle

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



88, 67.711, 163.814



88, 67.711, 213.814



88, 67.711, 343.814



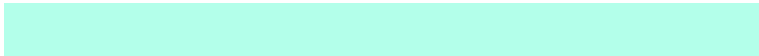
88, 67.711, 33.814

Sweetspot

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



88, 67.643, 163.783



95, 27.787, 175.012



87, 114.579, 133.672



50, 18.788, 174.533



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

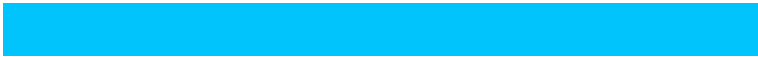
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 67.643, 163.783



89, 68.582, 163.761



74, 43.917, 240.064



51, 5.332, 177.162



68, 54.344, 164.182



22, 23.534, 167.218

Inverse Universe

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



53, 88.477, 24.835



54, 89.712, 24.894



55, 97.831, 43.561



49, 5.497, 358.833



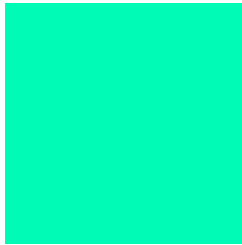
40, 71.004, 23.748



9, 30.672, 13.867

Previews

White Background



This preview shows how the CIE LCh color 88, 67.711, 163.814 looks on a white background.

Color Contrast Check

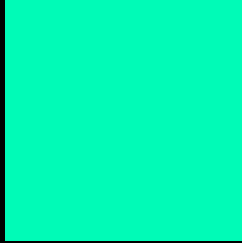
Large Text (above 18pt) WCAG AA × Fail

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 88, 67.711, 163.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

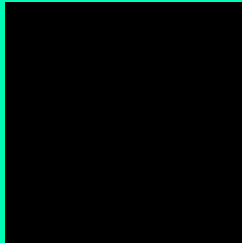
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 67.711, 163.814

Background



This preview shows how black text looks on a background with the CIELCh color 88, 67.711, 163.814.

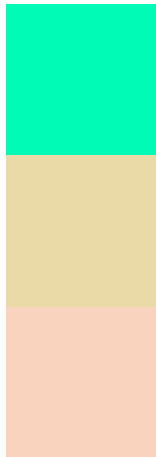


This preview shows how white text looks on a background with the CIELCh color 88, 67.711, 163.814.

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

88, 67.711, 163.814

Protanopia

87, 27.222, 94.497

Deuteranopia

87, 18.394, 54.508



Tritanopia
88, 35.516, 211.938

Trichromacy



Original Color
88, 67.711, 163.814



Protanomaly
85, 41.682, 151.158



Deuteranomaly
84, 30.604, 157.907

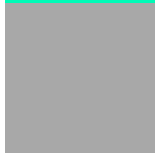


Tritanomaly
88, 46.157, 187.248

Monochromacy



Original Color
88, 67.711, 163.814



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 33.466, 172.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 67.711, 163.814 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, 251, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 183)  
}
```

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, 251, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 67.711, 163.814 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, 251, 183) }
```

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

```
.border{ border-color:rgb(0, 251, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 251, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 67.711, 163.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 183) }
```

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

```
.background{ background-color: rgb(0, 251,  
183) }
```

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](#)