

Converting Colors

CIELCh(87, 84.110, 153.643)

Have a look what the booklet for
CIELCh(87, 84.110, 153.643)
contains.

CIELCh(87, 81.886, 152.599)	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, 81.886, 152.599)

Conversions

Conversions Part 1

Format	Color
Hex	00F98F
RGB	0, 249, 143
RGB Percent	0%, 98%, 56%
CMY	1.0000, 0.0216, 0.4410
CMYK	1.00, 0.00, 0.43, 0.02
HSL	154°, 100%, 49%
HSV	154°, 100%, 98%
XYZ	38.9122, 70.0064, 37.2677
YIQ	162.4650, -114.3780, -85.7540

Conversions

Conversions Part 2

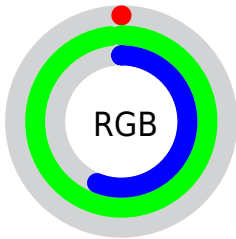
Format	Color
RYB	0, 158, 249
Decimal	63887
CIELab	87.00, -72.70, 37.69
CIELCh	87, 81.886, 152.599
Yxy	70.0064, 0.2662, 0.4789
Android (android.graphics.Color)	4278253967 (0xFF00F98F)
YUV	162.4650, -9.5962, -142.4818
Hunter-Lab	83.6698, -63.4075, 32.1603

Details

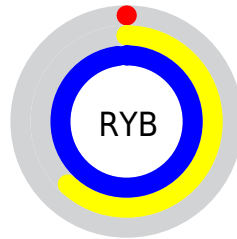
The CIELCh color **87, 81.886, 152.599** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **53, 83.201, 9.920**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 53.679, 162.849**, and **68, 73.475, 147.934** is the 20% darker color. If you saturate the color by 10%, you get **87, 81.819, 152.563**, and if you desaturate by 10%, it is **87, 77.152, 154.864**.

Distribution



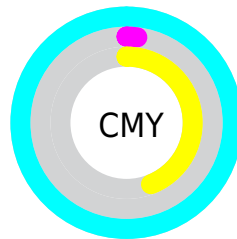
- Red (0%)
- Green (98%)
- Blue (56%)



- Red (0%)
- Yellow (62%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 81.886, 152.599 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, 81.886, 152.599 by changing the saturation by 10% instead.

■ 87, 81.886,
152.599

■ 87, 81.886,
152.599

■ 100, 81.886,
152.599

■ 77, 81.886,
152.599

■ 67, 81.886,
152.599

■ 57, 81.886,
152.599

■ 47, 81.886,
152.599

■ 37, 81.886,
152.599

■ 27, 81.886,
152.599

■ 17, 81.886,

152.599

■ 7, 81.886, 152.599

■ 0, 81.886, 152.599

■ 87, 81.886,
152.599

■ 87, 81.886,
152.599

■ 87, 81.819,
152.563

■ 87, 77.152,
154.864

■ 88, 71.664,
157.017

■ 88, 65.191,
158.954

■ 89, 57.739,
160.676

■ 90, 49.400,

162.201

■ 91, 40.317,
163.553

■ 93, 30.666,
164.759

■ 94, 20.622,
165.844

■ 96, 10.351,
166.842

Harmonies

Complementary

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



87, 81.886, 152.599



53, 83.201, 9.920

Rectangle

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



87, 81.886, 152.599



87, 81.886, 202.599



87, 81.886, 332.599



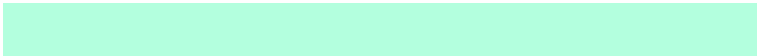
87, 81.886, 22.599

Sweetspot

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



87, 81.819, 152.563



94, 31.211, 164.755



88, 109.902, 130.369



50, 21.182, 164.262



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, 81.819, 152.563



89, 83.230, 152.534



85, 45.204, 207.958



51, 5.892, 166.892



68, 65.786, 152.992



22, 27.953, 156.380

Inverse Universe

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



53, 83.201, 9.920



54, 84.594, 9.985



53, 102.000, 40.519



49, 5.994, 348.486



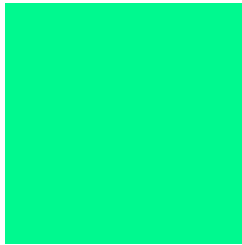
40, 67.387, 8.965



10, 30.576, 2.009

Previews

White Background



This preview shows how the CIE LCh color 87, 81.886, 152.599 looks on a white background.

Color Contrast Check

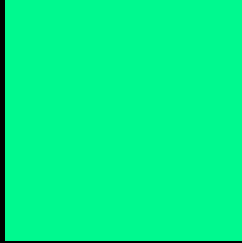
Large Text (above 18pt) WCAG AA × Fail

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, 81.886, 152.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

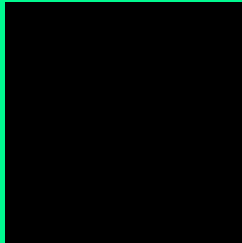
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 81.886, 152.599

Background



This preview shows how black text looks on a background with the CIELCh color 87, 81.886, 152.599.

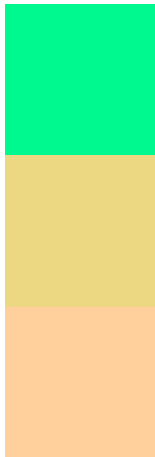


This preview shows how white text looks on a background with the CIELCh color 87, 81.886, 152.599.

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, 81.415, 152.741

Protanopia

86, 44.976, 95.767

Deuteranopia

86, 33.356, 72.062



Tritanopia
87, 38.062, 212.483

Trichromacy



Original Color
87, 81.415, 152.741



Protanomaly
84, 56.190, 137.525



Deuteranomaly
83, 43.418, 138.324



Tritanomaly
86, 50.125, 179.663

Monochromacy



Original Color
87, 81.415, 152.741



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 37.511, 163.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 81.886, 152.599 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, 249, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 143)  
}
```

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, 249, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 81.886, 152.599 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, 249, 143) }
```

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

```
.border{ border-color:rgb(0, 249, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 249, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 81.886, 152.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 143) }
```

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

```
.background{ background-color: rgb(0, 249,  
143) }
```

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