

Converting Colors

CIELCh(87, 76.041, 156.494)

Have a look what the booklet for
CIELCh(87, 76.041, 156.494)
contains.

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Color

CIELCh(87, 76.193, 156.306)

Conversions

Conversions Part 1

Format	Color
Hex	00F99D
RGB	0, 249, 157
RGB Percent	0%, 98%, 62%
CMY	1.0000, 0.0245, 0.3852
CMYK	1.00, 0.00, 0.37, 0.02
HSL	158°, 100%, 49%
HSV	158°, 100%, 98%
XYZ	39.8403, 70.0064, 43.2054
YIQ	164.0610, -118.8720, -81.4000

Conversions

Conversions Part 2

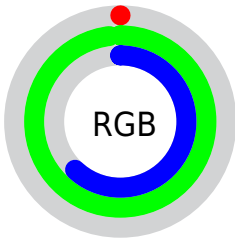
Format	Color
RYB	0, 153, 249
Decimal	63901
CIELab	87.00, -69.77, 30.62
CIELCh	87, 76.193, 156.306
Yxy	70.0064, 0.2603, 0.4574
Android (android.graphics.Color)	4278253981 (0xFF00F99D)
YUV	164.0610, -3.4811, -143.8815
Hunter-Lab	83.6698, -61.4274, 27.9528

Details

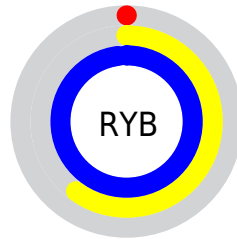
The CIELCh color **87, 76.193, 156.306** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **53, 84.084, 15.702**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 49.112, 169.373**, and **68, 68.029, 151.729** is the 20% darker color. If you saturate the color by 10%, you get **87, 76.158, 156.288**, and if you desaturate by 10%, it is **87, 72.082, 158.560**.

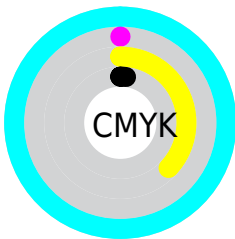
Distribution



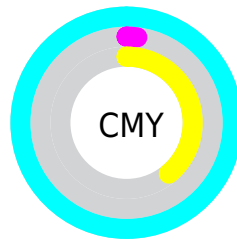
- Red (0%)
- Green (98%)
- Blue (62%)



- Red (0%)
- Yellow (60%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 76.193, 156.306 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, 76.193, 156.306 by changing the saturation by 10% instead.


 87, 76.193,
156.306


 87, 76.193,
156.306


 100, 76.193,
156.306


 77, 76.193,
156.306

 67, 76.193,
156.306

 57, 76.193,
156.306

 47, 76.193,
156.306

 37, 76.193,
156.306

 27, 76.193,
156.306

 17, 76.193,

156.306

■ 7, 76.193, 156.306

■ 0, 76.193, 156.306

■ 87, 76.193,
156.306

■ 87, 76.193,
156.306

■ 87, 76.158,
156.288

■ 87, 72.082,
158.560

■ 88, 67.209,
160.675

■ 88, 61.364,
162.577

■ 89, 54.542,
164.271

■ 90, 46.819,

165.777

■ 91, 38.331,
167.121

■ 93, 29.241,
168.329

■ 94, 19.717,
169.427

■ 96, 9.922, 170.448

Harmonies

Complementary

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



87, 76.193, 156.306



53, 84.084, 15.702

Rectangle

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



87, 76.193, 156.306



87, 76.193, 206.306



87, 76.193, 336.306



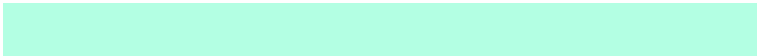
87, 76.193, 26.306

Sweetspot

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



87, 76.158, 156.288



95, 29.834, 168.325



87, 111.234, 131.653



50, 20.223, 167.829



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

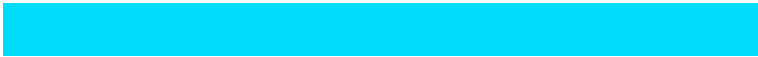
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 76.158, 156.288



89, 77.651, 156.255



81, 43.264, 218.044



51, 5.662, 170.498



68, 61.422, 156.708



22, 26.251, 160.027

Inverse Universe

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



53, 84.084, 15.702



54, 85.704, 15.783



53, 100.711, 41.184



49, 5.786, 352.144



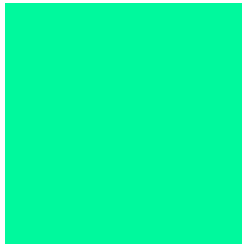
40, 68.109, 14.678



9, 30.456, 6.910

Previews

White Background



This preview shows how the CIE LCh color 87, 76.193, 156.306 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, 76.193, 156.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

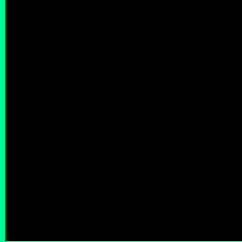
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

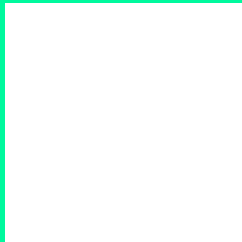
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 76.193, 156.306

Background



This preview shows how black text looks on a background with the CIELCh color 87, 76.193, 156.306.

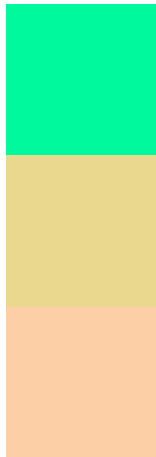


This preview shows how white text looks on a background with the CIELCh color 87, 76.193, 156.306.

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, 76.193, 156.306

Protanopia

86, 38.439, 95.927

Deuteranopia

86, 28.548, 68.097



Tritanopia
87, 38.371, 212.339

Trichromacy



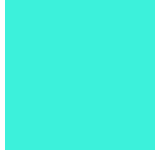
Original Color
87, 76.193, 156.306



Protanomaly
84, 50.836, 141.586



Deuteranomaly
83, 38.380, 143.425



Tritanomaly
86, 48.983, 182.529

Monochromacy



Original Color
87, 76.193, 156.306



Achromatopsia
67, 0.008, 296.813



Achromatomaly
73, 36.341, 166.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 76.193, 156.306 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 76.193, 156.306 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, 157) }
```

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

```
.border{ border-color:rgb(0, 249, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 76.193, 156.306 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, 157) }
```

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

```
.background{ background-color: rgb(0, 249,  
157) }
```

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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