

Converting Colors

CIELCh(87, 77.889, 155.243)

Have a look what the booklet for
CIELCh(87, 77.889, 155.243)
contains.

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Color

CIELCh(87, 77.681, 155.239)

Conversions

Conversions Part 1

Format	Color
Hex	00F999
RGB	0, 249, 153
RGB Percent	0%, 98%, 60%
CMY	1.0000, 0.0238, 0.4002
CMYK	1.00, 0.00, 0.39, 0.02
HSL	157°, 100%, 49%
HSV	157°, 100%, 98%
XYZ	39.5952, 70.0064, 41.5365
YIQ	163.6050, -117.5880, -82.6440

Conversions

Conversions Part 2

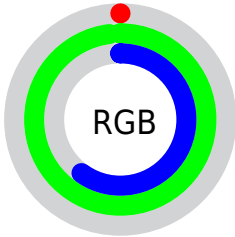
Format	Color
RYB	0, 154, 249
Decimal	63897
CIELab	87.00, -70.54, 32.54
CIELCh	87, 77.681, 155.239
Yxy	70.0064, 0.2620, 0.4632
Android (android.graphics.Color)	4278253977 (0xFF00F999)
YUV	163.6050, -5.2283, -143.4816
Hunter-Lab	83.6698, -61.9503, 29.1353

Details

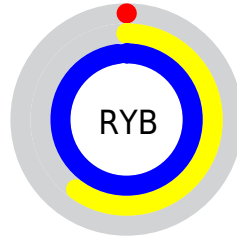
The CIELCh color **87, 77.681, 155.239** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **53, 83.746, 14.159**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 50.366, 167.395**, and **68, 69.597, 150.580** is the 20% darker color. If you saturate the color by 10%, you get **87, 77.673, 155.235**, and if you desaturate by 10%, it is **87, 73.433, 157.519**.

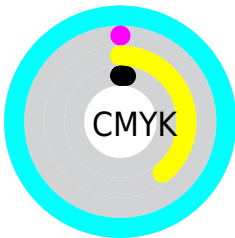
Distribution



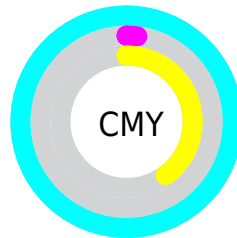
- Red (0%)
- Green (98%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 77.681, 155.239 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, 77.681, 155.239 by changing the saturation by 10% instead.


 87, 77.681,
155.239

 87, 77.681,
155.239

 100, 77.681,
155.239

 77, 77.681,
155.239

 67, 77.681,
155.239

 57, 77.681,
155.239

 47, 77.681,
155.239

 37, 77.681,
155.239

 27, 77.681,
155.239

 17, 77.681,

155.239

■ 7, 77.681, 155.239

■ 0, 77.681, 155.239

■ 87, 77.681,
155.239

■ 87, 77.681,
155.239

■ 87, 77.673,
155.235

■ 87, 73.433,
157.519

■ 88, 68.392,
159.648

■ 88, 62.377,
161.562

■ 89, 55.385,
163.267

■ 90, 47.498,

164.780

■ 91, 38.852,
166.128

■ 93, 29.613,
167.337

■ 94, 19.953,
168.433

■ 96, 10.033,
169.449

Harmonies

Complementary

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



87, 77.681, 155.239



53, 83.746, 14.159

Rectangle

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



87, 77.681, 155.239



87, 77.681, 205.239



87, 77.681, 335.239



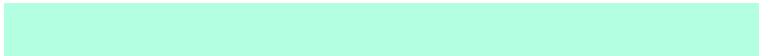
87, 77.681, 25.239

Sweetspot

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



87, 77.673, 155.235



95, 30.194, 167.333



87, 110.786, 131.246



50, 20.474, 166.838



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

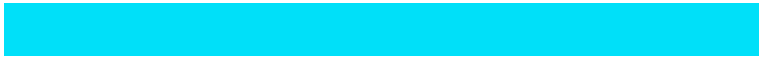
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 77.673, 155.235



89, 79.148, 155.203



82, 43.767, 214.566



51, 5.722, 169.499



68, 62.592, 155.658



22, 26.706, 159.002

Inverse Universe

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



53, 83.746, 14.159



54, 85.305, 14.235



53, 101.173, 40.927



49, 5.839, 351.133



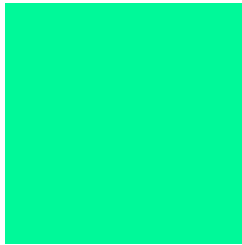
40, 67.837, 13.149



10, 30.464, 5.618

Previews

White Background



This preview shows how the CIE LCh color 87, 77.681, 155.239 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, 77.681, 155.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

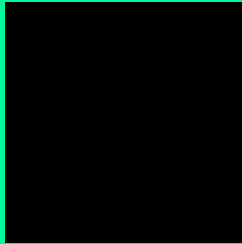
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 77.681, 155.239

Background



This preview shows how black text looks on a background with the CIELCh color 87, 77.681, 155.239.

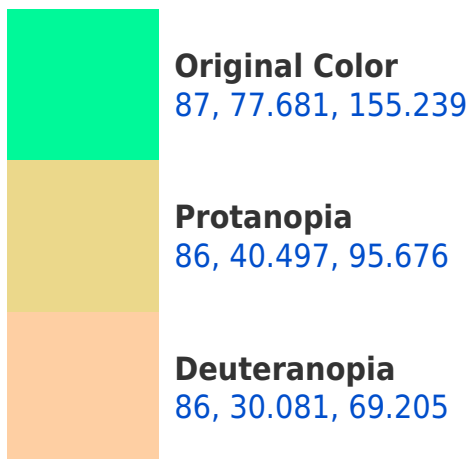


This preview shows how white text looks on a background with the CIELCh color 87, 77.681, 155.239.

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





Tritanopia
87, 38.217, 212.410

Trichromacy



Original Color
87, 77.681, 155.239



Protanomaly
84, 52.343, 140.059



Deuteranomaly
83, 39.903, 141.336

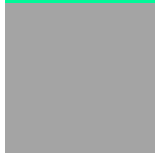


Tritanomaly
86, 49.225, 181.950

Monochromacy



Original Color
87, 77.681, 155.239



Achromatopsia
67, 0.008, 296.813



Achromatomaly
73, 36.679, 165.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 77.681, 155.239 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 77.681, 155.239 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, 153) }
```

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

```
.border{ border-color:rgb(0, 249, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 77.681, 155.239 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, 153) }
```

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

```
.background{ background-color: rgb(0, 249,  
153) }
```

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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