

Converting Colors

CIELCh(85, 83.575, 150.749)

Have a look what the booklet for
CIELCh(85, 83.575, 150.749)
contains.

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Color

CIELCh(85, 83.552, 150.639)

Conversions

Conversions Part 1

Format	Color
Hex	00F483
RGB	0, 244, 131
RGB Percent	0%, 96%, 51%
CMY	1.0000, 0.0451, 0.4880
CMYK	1.00, 0.00, 0.46, 0.05
HSL	152°, 100%, 48%
HSV	152°, 100%, 95%
XYZ	36.2279, 66.0070, 32.1443
YIQ	158.1620, -109.1510, -86.8710

Conversions

Conversions Part 2

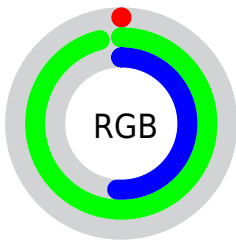
Format	Color
RYB	0, 159, 244
Decimal	62595
CIELab	85.00, -72.82, 40.97
CIELCh	85, 83.552, 150.639
Yxy	66.0070, 0.2696, 0.4912
Android (android.graphics.Color)	4278252675 (0xFF00F483)
YUV	158.1620, -13.3909, -138.7081
Hunter-Lab	81.2447, -62.5831, 33.4133

Details

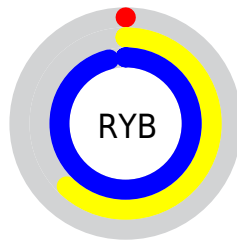
The CIELCh color **85, 83.552, 150.639** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **52, 81.525, 6.366**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 58.463, 157.823**, and **66, 75.621, 145.658** is the 20% darker color. If you saturate the color by 10%, you get **85, 83.486, 150.602**, and if you desaturate by 10%, it is **85, 78.584, 152.895**.

Distribution



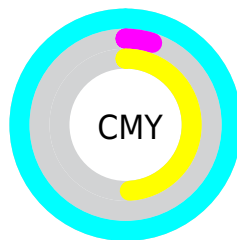
- Red (0%)
- Green (96%)
- Blue (51%)



- Red (0%)
- Yellow (62%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 83.552, 150.639 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 85, 83.552, 150.639 by changing the saturation by 10% instead.


 85, 83.552,
150.639


 85, 83.552,
150.639


 100, 83.552,
150.639


 75, 83.552,
150.639

 65, 83.552,
150.639

 55, 83.552,
150.639

 45, 83.552,
150.639

 35, 83.552,
150.639

 25, 83.552,
150.639

 15, 83.552,

150.639

■ 5, 83.552, 150.639

■ 0, 83.552, 150.639

■ 85, 83.552,
150.639

■ 85, 83.552,
150.639

■ 85, 83.486,
150.602

■ 85, 78.584,
152.895

■ 86, 72.856,
155.048

■ 86, 66.150,
156.988

■ 87, 58.481,
158.712

■ 88, 49.946,

160.234

■ 89, 40.696,
161.580

■ 91, 30.906,
162.775

■ 92, 20.754,
163.845

■ 94, 10.403,
164.824

Harmonies

Complementary

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



85, 83.552, 150.639



52, 81.525, 6.366

Rectangle

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



85, 83.552, 150.639



85, 83.552, 200.639



85, 83.552, 330.639



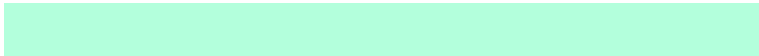
85, 83.552, 20.639

Sweetspot

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



85, 83.486, 150.602



94, 32.081, 162.766



86, 106.773, 129.382



50, 21.786, 162.278



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 83.486, 150.602



89, 86.562, 150.540



85, 46.192, 201.876



50, 5.938, 164.872



67, 67.677, 151.022



21, 28.088, 154.603

Inverse Universe

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



52, 81.525, 6.366



55, 84.423, 6.496



51, 100.577, 40.248



48, 6.027, 346.423



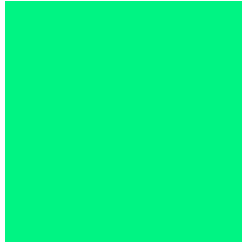
40, 66.658, 5.494



9, 29.963, 358.763

Previews

White Background



This preview shows how the CIE LCh color 85, 83.552, 150.639 looks on a white background.

Color Contrast Check

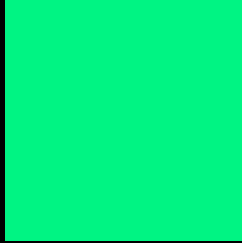
Large Text (above 18pt) WCAG AA × Fail

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 85, 83.552, 150.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

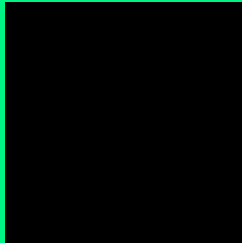
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

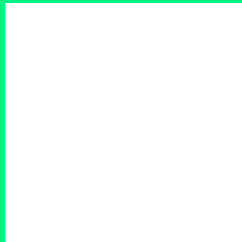
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 83.552, 150.639

Background



This preview shows how black text looks on a background with the CIELCh color 85, 83.552, 150.639.

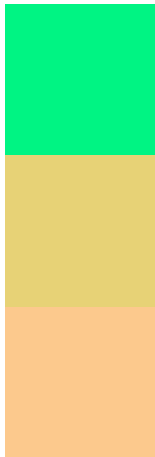


This preview shows how white text looks on a background with the CIELCh color 85, 83.552, 150.639.

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

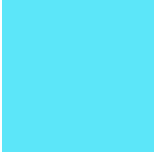
85, 83.552, 150.639

Protanopia

84, 48.141, 95.466

Deuteranopia

84, 38.316, 73.879



Tritanopia
85, 37.550, 212.769

Trichromacy



Original Color
85, 83.552, 150.639



Protanomaly
82, 58.441, 135.116



Deuteranomaly
81, 46.464, 134.199



Tritanomaly
84, 49.905, 178.194

Monochromacy



Original Color
85, 83.552, 150.639



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 38.243, 160.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 83.552, 150.639 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, 244, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 131)  
}
```

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, 244, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 83.552, 150.639 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, 244, 131) }
```

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

```
.border{ border-color:rgb(0, 244, 131) }
```

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

Here you see how a box with a 4 pixel rgb(0, 244, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 83.552, 150.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 131) }
```

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

```
.background{ background-color: rgb(0, 244,  
131) }
```

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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