

Converting Colors

CIELCh(85, 85.870, 149.409)

Have a look what the booklet for
CIELCh(85, 85.870, 149.409)
contains.

CIELCh(85, 85.786, 149.336)	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(85, 85.786, 149.336)

Conversions

Conversions Part 1

Format	Color
Hex	00F47D
RGB	0, 244, 125
RGB Percent	0%, 96%, 49%
CMY	1.0000, 0.0442, 0.5107
CMYK	1.00, 0.00, 0.49, 0.04
HSL	151°, 100%, 48%
HSV	151°, 100%, 96%
XYZ	35.9375, 66.0070, 30.1697
YIQ	157.4780, -107.2250, -88.7370

Conversions

Conversions Part 2

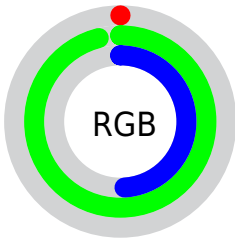
Format	Color
RYB	0, 161, 244
Decimal	62589
CIELab	85.00, -73.79, 43.75
CIELCh	85, 85.786, 149.336
Yxy	66.0070, 0.2720, 0.4996
Android (android.graphics.Color)	4278252669 (0xFF00F47D)
YUV	157.4780, -16.0117, -138.1082
Hunter-Lab	81.2447, -63.2211, 34.8543

Details

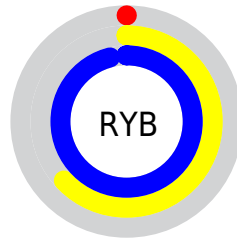
The CIELCh color **85, 85.786, 149.336** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **52, 81.686, 3.985**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 60.672, 155.704**, and **66, 77.826, 144.346** is the 20% darker color. If you saturate the color by 10%, you get **85, 85.751, 149.316**, and if you desaturate by 10%, it is **85, 80.645, 151.602**.

Distribution



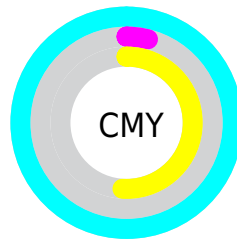
- Red (0%)
- Green (96%)
- Blue (49%)



- Red (0%)
- Yellow (63%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 85.786, 149.336 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, 85.786, 149.336 by changing the saturation by 10% instead.


 85, 85.786,
149.336


 85, 85.786,
149.336


 100, 85.786,
149.336


 75, 85.786,
149.336

 65, 85.786,
149.336

 55, 85.786,
149.336

 45, 85.786,
149.336

 35, 85.786,
149.336

 25, 85.786,
149.336

 15, 85.786,

149.336

■ 5, 85.786, 149.336

■ 0, 85.786, 149.336

■ 85, 85.786,
149.336

■ 85, 85.786,
149.336

■ 85, 85.751,
149.316

■ 85, 80.645,
151.602

■ 86, 74.692,
153.753

■ 86, 67.747,
155.693

■ 87, 59.830,
157.416

■ 88, 51.046,

158.937

■ 89, 41.551,
160.277

■ 91, 31.526,
161.464

■ 92, 21.151,
162.523

■ 94, 10.594,
163.488

Harmonies

Complementary

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



85, 85.786, 149.336



52, 81.686, 3.985

Rectangle

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



85, 85.786, 149.336



85, 85.786, 199.336



85, 85.786, 329.336



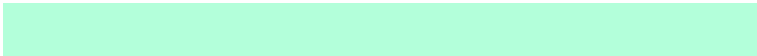
85, 85.786, 19.336

Sweetspot

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



85, 85.751, 149.316



94, 32.699, 161.456



86, 105.717, 128.328



50, 22.215, 160.971



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, 85.751, 149.316



89, 88.845, 149.256



88, 48.430, 196.386



50, 6.042, 163.536



67, 69.449, 149.736



21, 28.776, 153.317

Inverse Universe

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



52, 81.686, 3.985



55, 84.519, 4.106



51, 101.059, 40.000



48, 6.124, 345.058



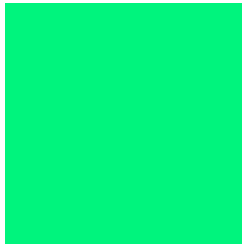
40, 66.787, 3.159



9, 30.150, 356.832

Previews

White Background



This preview shows how the CIE LCh color 85, 85.786, 149.336 looks on a white background.

Color Contrast Check

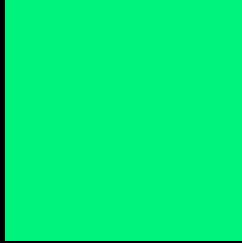
Large Text (above 18pt) WCAG AA × Fail

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, 85.786, 149.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

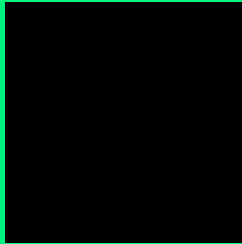
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 85.786, 149.336

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.786, 149.336.

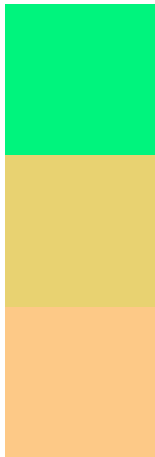


This preview shows how white text looks on a background with the CIELCh color 85, 85.786, 149.336.

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, 85.786, 149.336

Protanopia
84, 50.598, 95.236

Deuteranopia
84, 41.248, 75.325



Tritanopia
85, 37.395, 212.844

Trichromacy



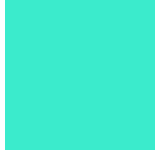
Original Color
85, 85.786, 149.336



Protanomaly
82, 60.824, 133.467



Deuteranomaly
81, 49.579, 132.270



Tritanomaly
84, 50.454, 177.100

Monochromacy



Original Color
85, 85.786, 149.336



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 39.586, 159.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.786, 149.336 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.786, 149.336 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, 125) }
```

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

```
.border{ border-color:rgb(0, 244, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.786, 149.336 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, 125) }
```

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

```
.background{ background-color: rgb(0, 244,  
125) }
```

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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