

Converting Colors

CIELCh(83, 83.364, 149.695)

Have a look what the booklet for
CIELCh(83, 83.364, 149.695)
contains.

CIELCh(83, 83.257, 149.724)	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(83, 83.257, 149.724)

Conversions

Conversions Part 1

Format	Color
Hex	02ED7B
RGB	2, 237, 123
RGB Percent	1%, 93%, 48%
CMY	0.9939, 0.0696, 0.5167
CMYK	0.99, 0.00, 0.48, 0.07
HSL	151°, 99%, 47%
HSV	151°, 99%, 93%
XYZ	33.9675, 62.1629, 29.0236
YIQ	153.7390, -103.4660, -85.2740

Conversions

Conversions Part 2

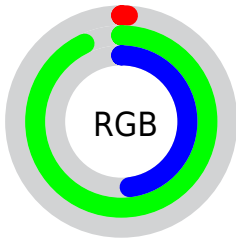
Format	Color
RYB	2, 157, 237
Decimal	191867
CIELab	83.00, -71.90, 41.98
CIELCh	83, 83.257, 149.724
Yxy	62.1629, 0.2714, 0.4967
Android (android.graphics.Color)	4278381947 (0xFF02ED7B)
YUV	153.7390, -15.1543, -133.0751
Hunter-Lab	78.8435, -61.0745, 33.3648

Details

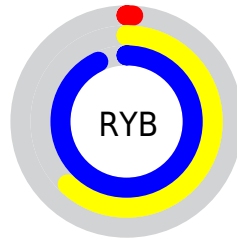
The CIELCh color **83, 83.257, 149.724** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark washed spring green. A complement of this color would be **51, 79.928, 4.055**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 61.764, 155.273**, and **64, 75.258, 144.576** is the 20% darker color. If you saturate the color by 10%, you get **83, 83.571, 149.580**, and if you desaturate by 10%, it is **83, 78.246, 152.006**.

Distribution



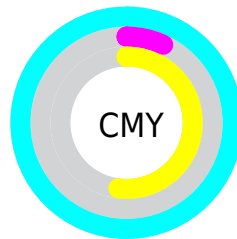
- Red (1%)
- Green (93%)
- Blue (48%)



- Red (1%)
- Yellow (62%)
- Blue (93%)



- Cyan (99%)
- Magenta (0%)
- Yellow (48%)
- Black (7%)




- Cyan (99%)
- Magenta (7%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 83.257, 149.724 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 83, 83.257, 149.724 by changing the saturation by 10% instead.


 83, 83.257,
149.724

 83, 83.257,
149.724


 100, 83.257,
149.724


 73, 83.257,
149.724

 63, 83.257,
149.724

 53, 83.257,
149.724

 43, 83.257,
149.724

 33, 83.257,
149.724

 23, 83.257,
149.724

 13, 83.257,

149.724

■ 3, 83.257, 149.724

■ 0, 83.257, 149.724

■ 83, 83.257,
149.724

■ 83, 83.257,
149.724

■ 83, 83.571,
149.580

■ 83, 78.246,
152.006

■ 84, 72.386,
154.139

■ 84, 65.557,
156.059

■ 85, 57.786,
157.765

■ 86, 49.178,

159.269

■ 87, 39.887,
160.597

■ 89, 30.089,
161.774

■ 90, 19.960,
162.826

■ 92, 9.659, 163.788

Harmonies

Complementary

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



83, 83.257, 149.724



51, 79.928, 4.055

Rectangle

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



83, 83.257, 149.724



83, 83.257, 199.724



83, 83.257, 329.724



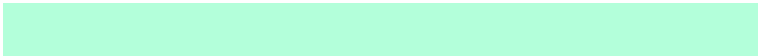
83, 83.257, 19.724

Sweetspot

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



83, 83.257, 149.724



94, 32.587, 161.688



84, 103.339, 128.231



50, 22.137, 161.203



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 83.257, 149.724



89, 88.435, 149.482



85, 47.419, 196.388



49, 5.919, 163.775



66, 68.391, 149.987



20, 27.729, 153.765

Inverse Universe

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



51, 79.928, 4.055



55, 84.489, 4.535



50, 98.669, 39.852



47, 6.001, 345.299



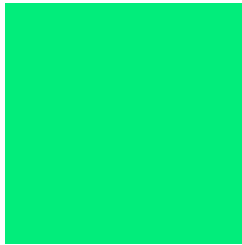
39, 66.076, 3.529



8, 29.302, 356.823

Previews

White Background



This preview shows how the CIELCh color 83, 83.257, 149.724 looks on a white background.

Color Contrast Check

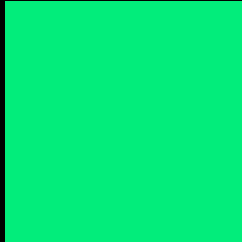
Large Text (above 18pt) WCAG AA × Fail

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 83, 83.257, 149.724 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 83, 83.257, 149.724

Background



This preview shows how black text looks on a background with the CIELCh color 83, 83.257, 149.724.

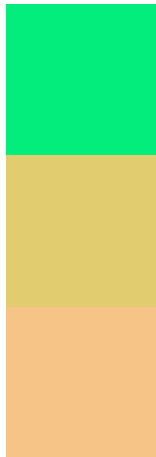


This preview shows how white text looks on a background with the CIELCh color 83, 83.257, 149.724.

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

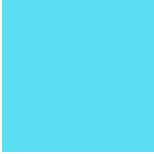
83, 83.213, 149.698

Protanopia

82, 48.694, 95.882

Deuteranopia

82, 39.175, 74.941



Tritanopia
83, 36.704, 212.351

Trichromacy



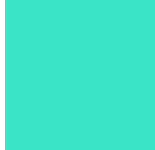
Original Color
83, 83.213, 149.698



Protanomaly
80, 59.132, 134.029



Deuteranomaly
79, 47.200, 132.822



Tritanomaly
82, 49.325, 177.214

Monochromacy



Original Color
83, 83.213, 149.698



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 37.676, 159.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 83.257, 149.724 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(2, 237, 123)` looks like.

```
.text, #text, p{  
    color:rgb(2, 237, 123)  
}
```

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(2, 237, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 237, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 83.257, 149.724 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(2, 237, 123) }
```

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

```
.border{ border-color:rgb(2, 237, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 237, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 237, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 237, 123);  
box-shadow:4px 4px 4px 4px rgb(2, 237,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 83.257, 149.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 237, 123) }
```

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

```
.background{ background-color: rgb(2, 237,  
123) }
```

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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