

Converting Colors

CIELCh(81, 83.385, 148.765)

Have a look what the booklet for
CIELCh(81, 83.385, 148.765)
contains.

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Color

CIELCh(81, 83.430, 148.679)

Conversions

Conversions Part 1

Format	Color
Hex	01E773
RGB	1, 231, 115
RGB Percent	0%, 91%, 45%
CMY	0.9969, 0.0936, 0.5485
CMYK	1.00, 0.00, 0.50, 0.09
HSL	150°, 99%, 45%
HSV	150°, 100%, 91%
XYZ	31.7238, 58.4711, 25.8694
YIQ	149.0060, -99.8440, -84.8360

Conversions

Conversions Part 2

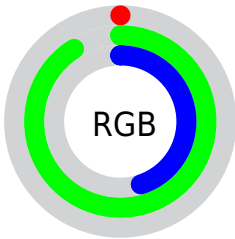
Format	Color
RYB	1, 155, 231
Decimal	124787
CIELab	81.00, -71.27, 43.37
CIELCh	81, 83.430, 148.679
Yxy	58.4711, 0.2733, 0.5038
Android (android.graphics.Color)	4278314867 (0xFF01E773)
YUV	149.0060, -16.7650, -129.8013
Hunter-Lab	76.4664, -59.7614, 33.4680

Details

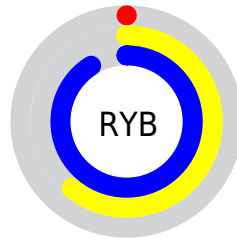
The CIELCh color **81, 83.430, 148.679** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **50, 78.598, 2.191**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 65.114, 152.970**, and **62, 75.792, 143.313** is the 20% darker color. If you saturate the color by 10%, you get **81, 83.596, 148.605**, and if you desaturate by 10%, it is **81, 78.376, 150.944**.

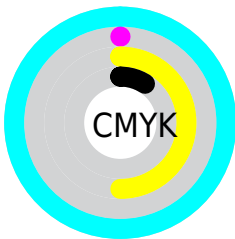
Distribution



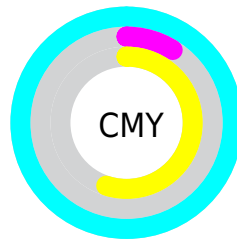
- Red (0%)
- Green (91%)
- Blue (45%)



- Red (0%)
- Yellow (61%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 83.430, 148.679 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 81, 83.430, 148.679 by changing the saturation by 10% instead.


 81, 83.430,
148.679


 81, 83.430,
148.679


 100, 83.430,
148.679


 71, 83.430,
148.679


 61, 83.430,
148.679

 51, 83.430,
148.679

 41, 83.430,
148.679

 31, 83.430,
148.679

 21, 83.430,
148.679

 11, 83.430,

148.679

■ 1, 83.430, 148.679

■ 0, 83.430, 148.679

■ 81, 83.430,
148.679

■ 81, 83.430,
148.679

■ 81, 83.596,
148.605

■ 81, 78.376,
150.944

■ 82, 72.487,
153.073

■ 82, 65.639,
154.993

■ 83, 57.862,
156.698

■ 84, 49.262,

158.201

■ 85, 39.994,
159.526

■ 86, 30.232,
160.697

■ 88, 20.152,
161.741

■ 90, 9.912, 162.691

Harmonies

Complementary

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



81, 83.430, 148.679



50, 78.598, 2.191

Rectangle

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



81, 83.430, 148.679



81, 83.430, 198.679



81, 83.430, 328.679



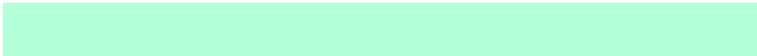
81, 83.430, 18.679

Sweetspot

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



81, 83.430, 148.679



94, 33.102, 160.641



82, 100.845, 127.680



50, 22.493, 160.159



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 83.430, 148.679



88, 90.297, 148.470



83, 47.099, 193.833



47, 5.794, 162.710



64, 68.305, 149.024



18, 26.361, 153.247

Inverse Universe

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



50, 78.598, 2.191



55, 84.670, 2.589



48, 96.218, 39.406



45, 5.867, 344.201



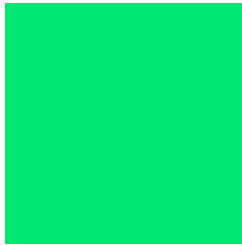
38, 64.899, 1.537



7, 27.648, 354.656

Previews

White Background



This preview shows how the CIE LCh color 81, 83.430, 148.679 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 81, 83.430, 148.679 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

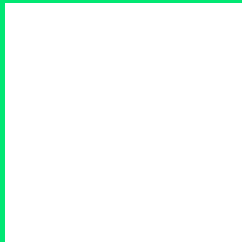
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 83.430, 148.679

Background



This preview shows how black text looks on a background with the CIELCh color 81, 83.430, 148.679.

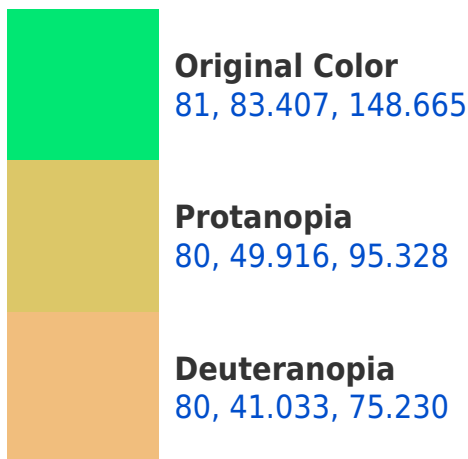


This preview shows how white text looks on a background with the CIELCh color 81, 83.430, 148.679.

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
81, 35.714, 212.887

Trichromacy



Original Color
81, 83.407, 148.665



Protanomaly
78, 59.862, 132.945



Deuteranomaly
77, 48.276, 130.807



Tritanomaly
80, 48.754, 176.199

Monochromacy



Original Color
81, 83.407, 148.665



Achromatopsia
62, 0.008, 296.813



Achromatomaly
67, 37.944, 158.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 83.430, 148.679 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(1, 231, 115)` looks like.

```
.text, #text, p{  
    color:rgb(1, 231, 115)  
}
```

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(1, 231, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 231, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 83.430, 148.679 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(1, 231, 115) }
```

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

```
.border{ border-color:rgb(1, 231, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 231, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 231, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 231, 115);  
box-shadow:4px 4px 4px 4px rgb(1, 231,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 83.430, 148.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 231, 115) }
```

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

```
.background{ background-color: rgb(1, 231,  
115) }
```

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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