

Converting Colors

CIELCh(83, 81.756, 150.527)

Have a look what the booklet for
CIELCh(83, 81.756, 150.527)
contains.

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Color

CIELCh(83, 81.668, 150.572)

Conversions

Conversions Part 1

Format	Color
Hex	04ED7F
RGB	4, 237, 127
RGB Percent	2%, 93%, 50%
CMY	0.9828, 0.0704, 0.5018
CMYK	0.98, 0.00, 0.46, 0.07
HSL	152°, 96%, 47%
HSV	152°, 98%, 93%
XYZ	34.1893, 62.1629, 30.2927
YIQ	154.7930, -103.5580, -83.6060

Conversions

Conversions Part 2

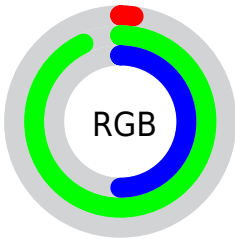
Format	Color
RYB	4, 156, 237
Decimal	322943
CIELab	83.00, -71.13, 40.13
CIELCh	83, 81.668, 150.572
Yxy	62.1629, 0.2700, 0.4908
Android (android.graphics.Color)	4278513023 (0xFF04ED7F)
YUV	154.7930, -13.7019, -132.2455
Hunter-Lab	78.8435, -60.5723, 32.4104

Details

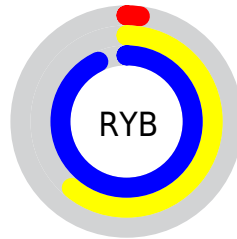
The CIELCh color **83, 81.668, 150.572** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **51, 79.648, 4.587**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 60.280, 156.634**, and **64, 73.401, 145.718** is the 20% darker color. If you saturate the color by 10%, you get **83, 82.543, 150.158**, and if you desaturate by 10%, it is **83, 76.676, 152.854**.

Distribution



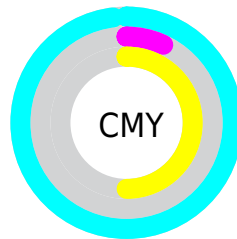
- Red (2%)
- Green (93%)
- Blue (50%)



- Red (2%)
- Yellow (61%)
- Blue (93%)



- Cyan (98%)
- Magenta (0%)
- Yellow (46%)
- Black (7%)





- Cyan (98%)
- Magenta (7%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 81.668, 150.572 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, 81.668, 150.572 by changing the saturation by 10% instead.


 83, 81.668,
150.572


 83, 81.668,
150.572


 100, 81.668,
150.572


 73, 81.668,
150.572

 63, 81.668,
150.572

 53, 81.668,
150.572

 43, 81.668,
150.572

 33, 81.668,
150.572

 23, 81.668,
150.572

 13, 81.668,

150.572

■ 3, 81.668, 150.572

■ 0, 81.668, 150.572

■ 83, 81.668,
150.572

■ 83, 81.668,
150.572

■ 83, 82.543,
150.158

■ 83, 76.676,
152.854

■ 84, 70.805,
154.963

■ 84, 63.969,
156.858

■ 85, 56.204,
158.538

■ 86, 47.618,

160.022

■ 87, 38.367,
161.333

■ 89, 28.627,
162.497

■ 90, 18.570,
163.541

■ 92, 8.351, 164.504

Harmonies

Complementary

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



83, 81.668, 150.572



51, 79.648, 4.587

Rectangle

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



83, 81.668, 150.572



83, 81.668, 200.572



83, 81.668, 330.572



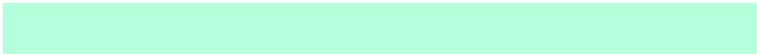
83, 81.668, 20.572

Sweetspot

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



83, 81.668, 150.572



95, 31.259, 162.391



84, 103.417, 128.635



50, 21.357, 161.903



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, 81.668, 150.572



89, 87.404, 150.059



84, 46.223, 199.016



48, 5.770, 164.380



65, 66.867, 150.591



19, 26.510, 154.582

Inverse Universe

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



51, 79.648, 4.587



55, 84.438, 5.615



50, 97.777, 39.717



46, 5.854, 345.912



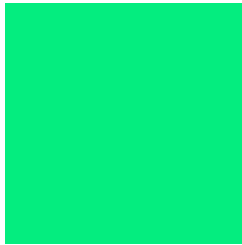
39, 65.332, 4.533



8, 28.373, 357.311

Previews

White Background



This preview shows how the CIELCh color 83, 81.668, 150.572 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, 81.668, 150.572 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, 81.668, 150.572

Background



This preview shows how black text looks on a background with the CIELCh color 83, 81.668, 150.572.

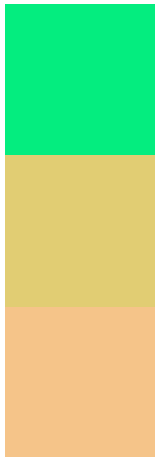


This preview shows how white text looks on a background with the CIELCh color 83, 81.668, 150.572.

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](#).

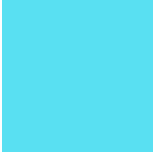
Dichromacy



Original Color
83, 81.668, 150.572

Protanopia
82, 47.260, 95.736

Deuteranopia
82, 37.578, 74.442



Tritanopia
83, 36.860, 212.276

Trichromacy



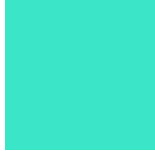
Original Color
83, 81.668, 150.572



Protanomaly
80, 57.667, 134.448



Deuteranomaly
79, 45.664, 133.293



Tritanomaly
82, 49.049, 177.773

Monochromacy



Original Color
83, 81.668, 150.572



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 37.280, 160.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 81.668, 150.572 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(4, 237, 127)` looks like.

```
.text, #text, p{  
    color:rgb(4, 237, 127)  
}
```

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(4, 237, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 237, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 81.668, 150.572 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(4, 237, 127) }
```

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

```
.border{ border-color:rgb(4, 237, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 237, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 237, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 237, 127);  
box-shadow:4px 4px 4px 4px rgb(4, 237,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 81.668, 150.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 237, 127) }
```

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

```
.background{ background-color: rgb(4, 237,  
127) }
```

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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