

Converting Colors

CIELCh(78, 80.997, 145.845)

Have a look what the booklet for
CIELCh(78, 80.997, 145.845)
contains.

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Color

CIELCh(78, 81.068, 145.812)

Conversions

Conversions Part 1

Format	Color
Hex	2EDD67
RGB	46, 221, 103
RGB Percent	18%, 87%, 40%
CMY	0.8203, 0.1337, 0.5964
CMYK	0.79, 0.00, 0.53, 0.13
HSL	140°, 72%, 52%
HSV	140°, 79%, 87%
XYZ	29.3910, 53.2120, 21.5292
YIQ	155.2230, -66.4220, -73.7980

Conversions

Conversions Part 2

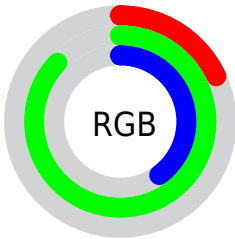
Format	Color
RYB	46, 178, 221
Decimal	3071335
CIELab	78.00, -67.06, 45.55
CIELCh	78, 81.068, 145.812
Yxy	53.2120, 0.2822, 0.5110
Android (android.graphics.Color)	4281261415 (0xFF2EDD67)
YUV	155.2230, -25.7459, -95.7886
Hunter-Lab	72.9466, -55.7368, 33.5640

Details

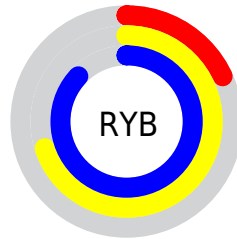
The CIELCh color **78, 81.068, 145.812** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **52, 77.625, 343.108**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 68.076, 147.723**, and **59, 75.289, 141.678** is the 20% darker color. If you saturate the color by 10%, you get **78, 87.864, 143.858**, and if you desaturate by 10%, it is **79, 73.125, 147.611**.

Distribution



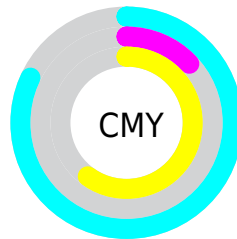
- Red (18%)
- Green (87%)
- Blue (40%)



- Red (18%)
- Yellow (70%)
- Blue (87%)



- Cyan (79%)
- Magenta (0%)
- Yellow (53%)
- Black (13%)





- Cyan (82%)
- Magenta (13%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 81.068, 145.812 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 78, 81.068, 145.812 by changing the saturation by 10% instead.


 78, 81.068,
145.812


 78, 81.068,
145.812


 100, 81.068,
145.812


 68, 81.068,
145.812


 98, 81.068,
145.812

 58, 81.068,
145.812

 48, 81.068,
145.812

 38, 81.068,
145.812

 28, 81.068,
145.812

 18, 81.068,
145.812

 8, 81.068, 145.812

0, 81.068, 145.812

78, 81.068,
145.812

78, 81.068,
145.812

78, 87.864,
143.858

79, 73.125,
147.611

77, 93.524,
141.853

79, 64.146,
149.222

77, 93.914,
141.714

80, 54.303,
150.640

81, 43.802,
151.877

83, 32.853,
152.954

84, 21.655,
153.894

■ 86, 10.379,
154.729

■ 88, 0.837, 334.963

■ 90, 11.888,
336.011

Harmonies

Complementary

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



78, 81.068, 145.812



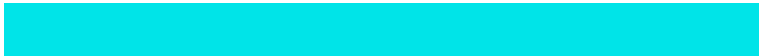
52, 77.625, 343.108

Rectangle

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



78, 81.068, 145.812



78, 81.068, 195.812



78, 81.068, 325.812



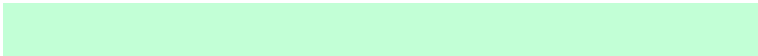
78, 81.068, 15.812

Sweetspot

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



78, 81.068, 145.812



95, 30.317, 153.446



82, 83.591, 119.262



50, 20.811, 153.101



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 81.068, 145.812



88, 102.147, 142.536



80, 49.882, 175.811



45, 6.328, 154.715



62, 77.750, 142.072



15, 28.187, 146.860

Inverse Universe

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



52, 77.625, 343.108



57, 90.505, 346.212



49, 71.567, 21.012



43, 6.365, 335.986



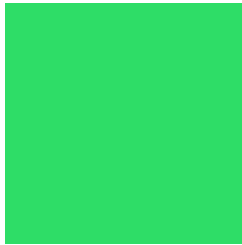
38, 68.090, 346.737



6, 27.552, 342.768

Previews

White Background



This preview shows how the CIE LCh color 78, 81.068, 145.812 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 78, 81.068, 145.812 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 78, 81.068, 145.812

Background



This preview shows how black text looks on a background with the CIELCh color 78, 81.068, 145.812.

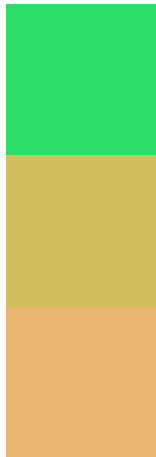


This preview shows how white text looks on a background with the CIELCh color 78, 81.068, 145.812.

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

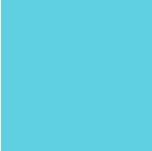
78, 81.068, 145.812

Protanopia

77, 51.477, 95.701

Deuteranopia

77, 42.977, 76.622



Tritanopia
78, 32.685, 213.655

Trichromacy



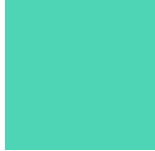
Original Color
78, 81.068, 145.812



Protanomaly
76, 57.785, 126.179



Deuteranomaly
75, 47.240, 122.024



Tritanomaly
78, 44.599, 173.538

Monochromacy



Original Color
78, 81.068, 145.812



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 33.675, 152.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 81.068, 145.812 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(46, 221, 103)` looks like.

```
.text, #text, p{  
    color:rgb(46, 221, 103)  
}
```

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(46, 221, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 221, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 81.068, 145.812 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(46, 221, 103) }
```

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

```
.border{ border-color:rgb(46, 221, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 221, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 221, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 221, 103);  
box-shadow:4px 4px 4px 4px rgb(46, 221,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 81.068, 145.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 221, 103) }
```

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

```
.background{ background-color: rgb(46, 221,  
103) }
```

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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