

Converting Colors

CIELCh(83, 80.427, 146.235)

Have a look what the booklet for
CIELCh(83, 80.427, 146.235)
contains.

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Color

CIELCh(83, 80.116, 146.271)

Conversions

Conversions Part 1

Format	Color
Hex	44EB76
RGB	68, 235, 118
RGB Percent	27%, 92%, 46%
CMY	0.7316, 0.0771, 0.5361
CMYK	0.71, 0.00, 0.50, 0.08
HSL	138°, 81%, 60%
HSV	138°, 71%, 92%
XYZ	35.5038, 62.1629, 27.3583
YIQ	171.7290, -61.9750, -71.7910

Conversions

Conversions Part 2

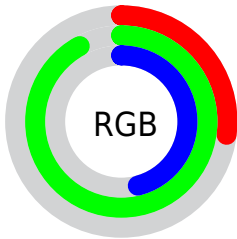
Format	Color
RYB	68, 197, 235
Decimal	4516726
CIELab	83.00, -66.63, 44.49
CIELCh	83, 80.116, 146.271
Yxy	62.1629, 0.2840, 0.4972
Android (android.graphics.Color)	4282706806 (0xFF44EB76)
YUV	171.7290, -26.4884, -90.9703
Hunter-Lab	78.8435, -57.5961, 34.6171

Details

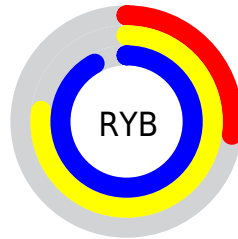
The CIELCh color **83, 80.116, 146.271** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **57, 78.233, 340.413**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.074, 150.019**, and **64, 76.596, 143.594** is the 20% darker color. If you saturate the color by 10%, you get **82, 88.406, 144.466**, and if you desaturate by 10%, it is **84, 70.655, 147.902**.

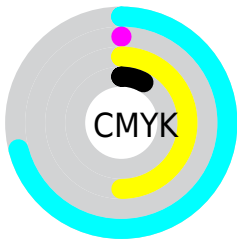
Distribution



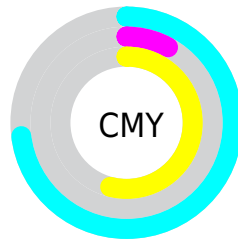
- Red (27%)
- Green (92%)
- Blue (46%)



- Red (27%)
- Yellow (77%)
- Blue (92%)



- Cyan (71%)
- Magenta (0%)
- Yellow (50%)
- Black (8%)





- Cyan (73%)
- Magenta (8%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 80.116, 146.271 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, 80.116, 146.271 by changing the saturation by 10% instead.


 83, 80.116,
146.271


 83, 80.116,
146.271


 100, 80.116,
146.271


 73, 80.116,
146.271

 63, 80.116,
146.271

 53, 80.116,
146.271

 43, 80.116,
146.271

 33, 80.116,
146.271

 23, 80.116,
146.271

 13, 80.116,

146.271

■ 3, 80.116, 146.271

■ 0, 80.116, 146.271

■ 83, 80.116,
146.271

■ 83, 80.116,
146.271

■ 82, 88.406,
144.466

■ 84, 70.655,
147.902

■ 82, 95.394,
142.534

■ 85, 60.211,
149.344


■ 82, 100.634,
140.784

■ 86, 49.012,
150.603


■ 87, 37.294,
151.697


■ 89, 25.279,

152.648

 91, 13.158,
153.484

 93, 1.089, 154.524

 95, 10.398,
332.348

 95, 12.275,
324.843

Harmonies

Complementary

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



83, 80.116, 146.271



57, 78.233, 340.413

Rectangle

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



83, 80.116, 146.271



83, 80.116, 196.271



83, 80.116, 326.271



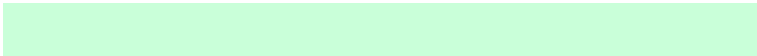
83, 80.116, 16.271

Sweetspot

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



83, 80.117, 146.271



96, 27.088, 152.633



87, 80.879, 117.676



50, 18.333, 152.381



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, 80.117, 146.271



88, 97.426, 143.617



84, 50.875, 174.001



48, 6.826, 153.599



64, 82.019, 141.137



19, 32.380, 144.749

Inverse Universe

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



57, 78.233, 340.413



58, 90.494, 342.448



55, 67.885, 15.098



46, 6.861, 334.850



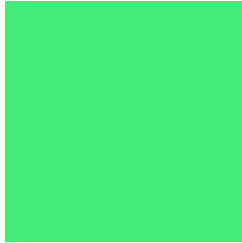
40, 71.457, 344.758



8, 31.504, 341.676

Previews

White Background



This preview shows how the CIE LCh color 83, 80.116, 146.271 looks on a white background.

Color Contrast Check

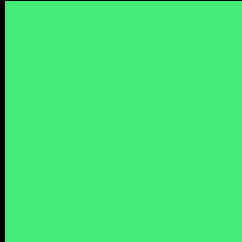
Large Text (above 18pt) WCAG AA × Fail

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, 80.116, 146.271 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, 80.116, 146.271

Background



This preview shows how black text looks on a background with the CIELCh color 83, 80.116, 146.271.

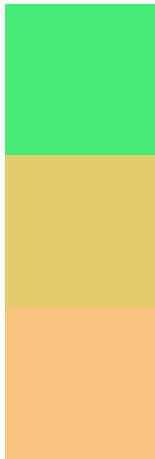


This preview shows how white text looks on a background with the CIELCh color 83, 80.116, 146.271.

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, 80.116, 146.271

Protanopia
82, 50.670, 95.578

Deuteranopia
82, 42.130, 76.260



Tritanopia
83, 32.813, 214.446

Trichromacy



Original Color
83, 80.116, 146.271



Protanomaly
81, 56.303, 125.082



Deuteranomaly
80, 45.852, 120.490

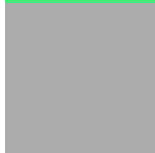


Tritanomaly
83, 43.787, 174.344

Monochromacy



Original Color
83, 80.116, 146.271



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 32.482, 151.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 80.116, 146.271 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(68, 235, 118)` looks like.

```
.text, #text, p{  
    color:rgb(68, 235, 118)  
}
```

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(68, 235, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 235, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 80.116, 146.271 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(68, 235, 118) }
```

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

```
.border{ border-color:rgb(68, 235, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 235, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 235, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 235, 118);  
box-shadow:4px 4px 4px 4px rgb(68, 235,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 80.116, 146.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 235, 118) }
```

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

```
.background{ background-color: rgb(68, 235,  
118) }
```

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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