

Converting Colors

CIELCh(83, 80.490, 145.776)

Have a look what the booklet for
CIELCh(83, 80.490, 145.776)
contains.

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Color

CIELCh(83, 80.266, 145.898)

Conversions

Conversions Part 1

Format	Color
Hex	46EB75
RGB	70, 235, 117
RGB Percent	27%, 92%, 46%
CMY	0.7242, 0.0774, 0.5403
CMYK	0.70, 0.00, 0.50, 0.08
HSL	137°, 81%, 60%
HSV	137°, 70%, 92%
XYZ	35.5532, 62.1629, 27.0235
YIQ	172.2130, -60.4620, -71.6780

Conversions

Conversions Part 2

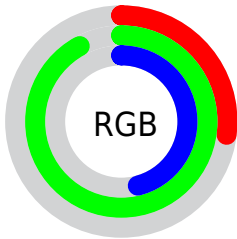
Format	Color
RYB	70, 198, 235
Decimal	4647797
CIELab	83.00, -66.46, 45.00
CIELCh	83, 80.266, 145.898
Yxy	62.1629, 0.2850, 0.4983
Android (android.graphics.Color)	4282837877 (0xFF46EB75)
YUV	172.2130, -27.2200, -89.6408
Hunter-Lab	78.8435, -57.4844, 34.8688

Details

The CIELCh color **83, 80.266, 145.898** 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 **58, 78.368, 339.552**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.077, 149.352**, and **64, 76.951, 143.388** is the 20% darker color. If you saturate the color by 10%, you get **82, 88.730, 144.125**, and if you desaturate by 10%, it is **84, 70.616, 147.501**.

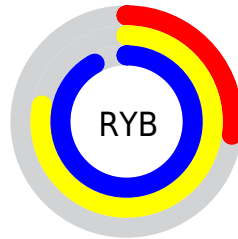
Distribution



Red (27%)

Green (92%)

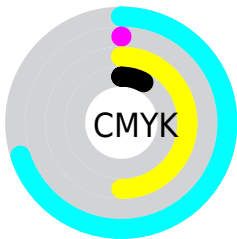
Blue (46%)



Red (27%)

Yellow (78%)

Blue (92%)

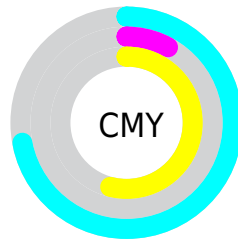


Cyan (70%)

Magenta (0%)

Yellow (50%)

Black (8%)



Cyan (72%)


Magenta (8%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 80.266, 145.898 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, 80.266, 145.898 by changing the saturation by 10% instead.


 83, 80.266,
145.898


 83, 80.266,
145.898


 100, 80.266,
145.898


 73, 80.266,
145.898

 63, 80.266,
145.898

 53, 80.266,
145.898

 43, 80.266,
145.898

 33, 80.266,
145.898

 23, 80.266,
145.898

 13, 80.266,

145.898

■ 3, 80.266, 145.898

■ 0, 80.266, 145.898

■ 83, 80.266,
145.898

■ 83, 80.266,
145.898

■ 82, 88.730,
144.125

■ 84, 70.616,
147.501

■ 82, 95.858,
142.231

■ 85, 59.982,
148.918


■ 82, 101.589,
140.367


■ 86, 48.602,
150.156


■ 87, 36.718,
151.230


■ 89, 24.553,

152.163

 91, 12.301,
152.983

 93, 0.117, 156.887

 95, 11.062,
329.483

 95, 12.324,
324.845

Harmonies

Complementary

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



83, 80.266, 145.898



58, 78.368, 339.552

Rectangle

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



83, 80.266, 145.898



83, 80.266, 195.898



83, 80.266, 325.898



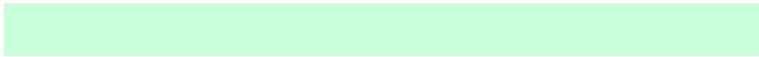
83, 80.266, 15.898

Sweetspot

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



83, 80.267, 145.898



96, 27.382, 152.076



87, 80.173, 117.680



50, 18.533, 151.827



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, 80.267, 145.898



88, 97.721, 143.328



84, 50.496, 174.124



48, 6.899, 153.033



64, 82.832, 140.710



19, 32.718, 144.289

Inverse Universe

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



58, 78.368, 339.552



59, 91.003, 341.412



55, 67.188, 14.800



46, 6.931, 334.269



40, 72.126, 343.716



8, 31.775, 340.854

Previews

White Background



This preview shows how the CIELCh color 83, 80.266, 145.898 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, 80.266, 145.898 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, 80.266, 145.898

Background



This preview shows how black text looks on a background with the CIELCh color 83, 80.266, 145.898.

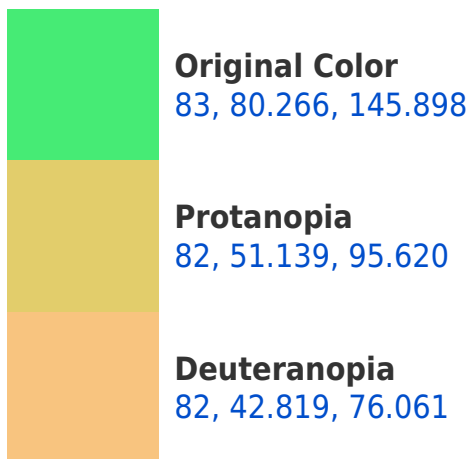


This preview shows how white text looks on a background with the CIELCh color 83, 80.266, 145.898.

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
83, 32.620, 214.561

Trichromacy



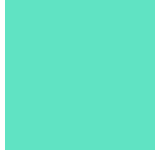
Original Color
83, 80.266, 145.898



Protanomaly
81, 56.747, 124.903



Deuteranomaly
81, 46.225, 119.844

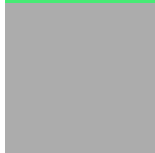


Tritanomaly
83, 43.889, 173.650

Monochromacy



Original Color
83, 80.266, 145.898



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 32.244, 151.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 80.266, 145.898 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(70, 235, 117)` looks like.

```
.text, #text, p{  
    color:rgb(70, 235, 117)  
}
```

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(70, 235, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 235, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 80.266, 145.898 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(70, 235, 117) }
```

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

```
.border{ border-color:rgb(70, 235, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 235, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 235, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 235, 117);  
box-shadow:4px 4px 4px 4px rgb(70, 235,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 80.266, 145.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 235, 117) }
```

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

```
.background{ background-color: rgb(70, 235,  
117) }
```

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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