

Converting Colors

CIELCh(83, 67.131, 145.944)

Have a look what the booklet for
CIELCh(83, 67.131, 145.944)
contains.

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Color

CIELCh(83, 66.800, 146.004)

Conversions

Conversions Part 1

Format	Color
Hex	6AE785
RGB	106, 231, 133
RGB Percent	42%, 91%, 52%
CMY	0.5827, 0.0926, 0.4770
CMYK	0.54, 0.00, 0.42, 0.09
HSL	133°, 73%, 66%
HSV	133°, 54%, 91%
XYZ	38.9359, 62.1629, 32.2661
YIQ	182.4530, -43.0420, -56.9780

Conversions

Conversions Part 2

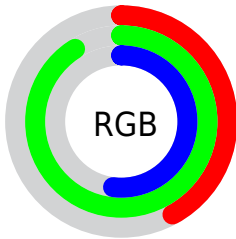
Format	Color
RYB	106, 209, 231
Decimal	7006085
CIELab	83.00, -55.38, 37.35
CIElCh	83, 66.800, 146.004
Yxy	62.1629, 0.2920, 0.4661
Android (android.graphics.Color)	4285196165 (0xFF6AE785)
YUV	182.4530, -24.3803, -67.0493
Hunter-Lab	78.8435, -49.8261, 30.9265

Details

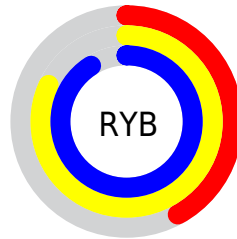
The CIELCh color **83, 66.800, 146.004** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **63, 66.481, 334.824**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 47.243, 149.217**, and **63, 66.507, 146.153** is the 20% darker color. If you saturate the color by 10%, you get **82, 77.460, 144.573**, and if you desaturate by 10%, it is **84, 55.233, 147.267**.

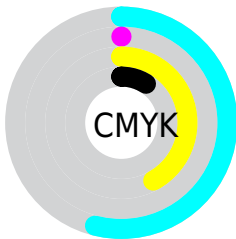
Distribution



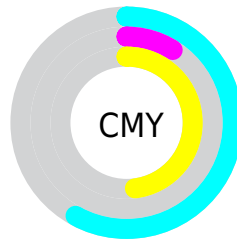
- Red (42%)
- Green (91%)
- Blue (52%)



- Red (42%)
- Yellow (82%)
- Blue (91%)



- Cyan (54%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)





- Cyan (58%)
- Magenta (9%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 66.800, 146.004 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, 66.800, 146.004 by changing the saturation by 10% instead.


 83, 66.800,
146.004


 83, 66.800,
146.004


 100, 66.800,
146.004


 73, 66.800,
146.004

 63, 66.800,
146.004

 53, 66.800,
146.004

 43, 66.800,
146.004

 33, 66.800,
146.004

 23, 66.800,
146.004

 13, 66.800,

146.004

■ 3, 66.800, 146.004

■ 0, 66.800, 146.004

■ 83, 66.800,
146.004

■ 83, 66.800,
146.004

■ 82, 77.460,
144.573

■ 84, 55.233,
147.267

■ 81, 86.936,
142.988

■ 86, 43.035,
148.366

■ 81, 94.977,
141.298

■ 87, 30.464,
149.317

■ 81, 101.384,
139.591

■ 89, 17.741,
150.141

■ 81, 104.445,

■ 91, 5.047, 150.894

138.656

■ 93, 7.483, 331.388

■ 94, 14.744,
324.933

Harmonies

Complementary

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



83, 66.800, 146.004



63, 66.481, 334.824

Rectangle

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



83, 66.800, 146.004



83, 66.800, 196.004



83, 66.800, 326.004



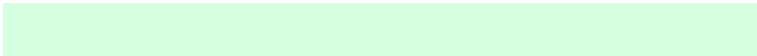
83, 66.800, 16.004

Sweetspot

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



83, 66.801, 146.004



96, 21.932, 149.979



88, 62.788, 114.439



51, 14.816, 149.813



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, 66.801, 146.004



89, 84.803, 144.370



84, 44.384, 169.954



47, 7.125, 150.484



63, 85.413, 138.950



17, 32.885, 142.880

Inverse Universe

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



63, 66.481, 334.824



65, 83.073, 335.741



61, 52.160, 3.622



45, 7.149, 331.649



40, 74.885, 339.090



8, 32.195, 337.077

Previews

White Background



This preview shows how the CIELCh color 83, 66.800, 146.004 looks on a white background.

Color Contrast Check

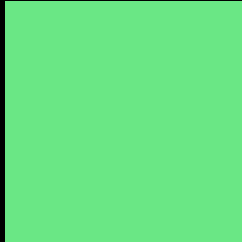
Large Text (above 18pt) WCAG AA × Fail

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, 66.800, 146.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

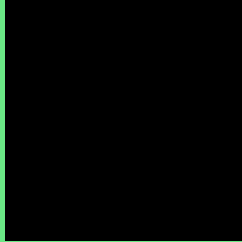
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 66.800, 146.004

Background



This preview shows how black text looks on a background with the CIELCh color 83, 66.800, 146.004.

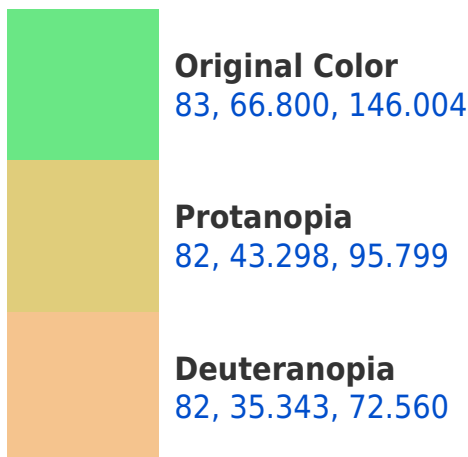


This preview shows how white text looks on a background with the CIELCh color 83, 66.800, 146.004.

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



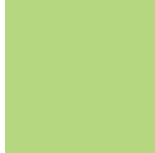


Tritanopia
83, 27.529, 218.187

Trichromacy



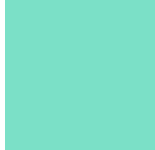
Original Color
83, 66.800, 146.004



Protanomaly
82, 47.314, 122.905



Deuteranomaly
81, 36.849, 115.705

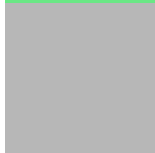


Tritanomaly
83, 35.589, 175.048

Monochromacy



Original Color
83, 66.800, 146.004



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 25.860, 149.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 66.800, 146.004 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(106, 231, 133)` looks like.

```
.text, #text, p{  
    color:rgb(106, 231, 133)  
}
```

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(106, 231, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 231, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 66.800, 146.004 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(106, 231, 133) }
```

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

```
.border{ border-color:rgb(106, 231, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 231, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 231, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 231, 133);  
box-shadow:4px 4px 4px 4px rgb(106, 231,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 66.800, 146.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 231, 133) }
```

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

```
.background{ background-color: rgb(106,  
231, 133) }
```

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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