

Converting Colors

CIELCh(83, 67.109, 134.048)

Have a look what the booklet for
CIELCh(83, 67.109, 134.048)
contains.

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Color

CIElCh(83, 66.562, 133.999)

Conversions

Conversions Part 1

Format	Color
Hex	8FE370
RGB	143, 227, 112
RGB Percent	56%, 89%, 44%
CMY	0.4380, 0.1085, 0.5596
CMYK	0.37, 0.00, 0.51, 0.11
HSL	104°, 68%, 67%
HSV	104°, 51%, 89%
XYZ	41.8840, 62.1629, 25.2088
YIQ	188.7740, -13.1490, -53.5730

Conversions

Conversions Part 2

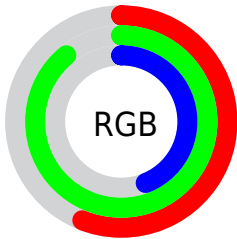
Format	Color
RYB	112, 227, 196
Decimal	9429872
CIELab	83.00, -46.24, 47.88
CIELCh	83, 66.562, 133.999
Yxy	62.1629, 0.3240, 0.4809
Android (android.graphics.Color)	4287619952 (0xFF8FE370)
YUV	188.7740, -37.8496, -40.1438
Hunter-Lab	78.8435, -43.1516, 36.2335

Details

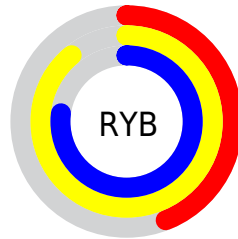
The CIELCh color **83, 66.562, 133.999** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **61, 68.662, 318.787**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 49.416, 131.440**, and **63, 66.524, 133.982** is the 20% darker color. If you saturate the color by 10%, you get **82, 78.289, 133.466**, and if you desaturate by 10%, it is **84, 53.975, 134.589**.

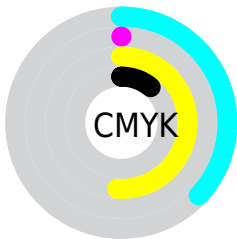
Distribution



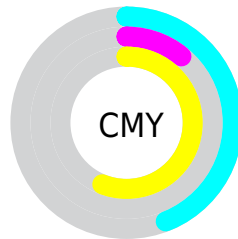
- Red (56%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (77%)



- Cyan (37%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)





- Cyan (44%)
- Magenta (11%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 66.562, 133.999 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, 66.562, 133.999 by changing the saturation by 10% instead.


 83, 66.562,
133.999

 83, 66.562,
133.999


 100, 66.562,
133.999


 73, 66.562,
133.999

 63, 66.562,
133.999

 53, 66.562,
133.999

 43, 66.562,
133.999

 33, 66.562,
133.999

 23, 66.562,
133.999

 13, 66.562,

133.999

■ 3, 66.562, 133.999

■ 0, 66.562, 133.999

■ 83, 66.562,
133.999

■ 83, 66.562,
133.999

■ 82, 78.289,
133.466

■ 84, 53.975,
134.589

■ 81, 88.677,
133.080

■ 85, 40.879,
135.175

■ 81, 97.156,
132.966

■ 87, 27.533,
135.727

■ 80, 103.195,
133.248

■ 88, 14.124,
136.233

■ 80, 106.688,

■ 90, 0.784, 136.927

133.831

92, 12.391,
317.034

93, 17.296,
325.024

Harmonies

Complementary

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



83, 66.562, 133.999



61, 68.662, 318.787

Rectangle

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



83, 66.562, 133.999



83, 66.562, 183.999



83, 66.562, 313.999



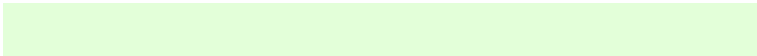
83, 66.562, 3.999

Sweetspot

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



83, 66.563, 134.000



97, 21.979, 136.011



80, 45.429, 88.375



51, 15.004, 135.903



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, 66.563, 134.000



91, 86.343, 133.429



82, 61.997, 146.496



47, 7.623, 136.288



64, 88.830, 133.646



18, 34.504, 134.024

Inverse Universe

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



61, 68.662, 318.787



62, 89.363, 319.075



64, 61.893, 334.599



45, 7.679, 317.071



34, 91.117, 318.362



6, 36.871, 319.177

Previews

White Background



This preview shows how the CIELCh color 83, 66.562, 133.999 looks on a white background.

Color Contrast Check

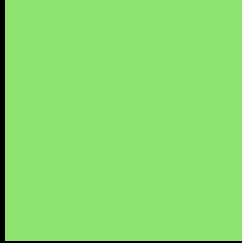
Large Text (above 18pt) WCAG AA × Fail

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, 66.562, 133.999 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, 66.562, 133.999

Background



This preview shows how black text looks on a background with the CIELCh color 83, 66.562, 133.999.

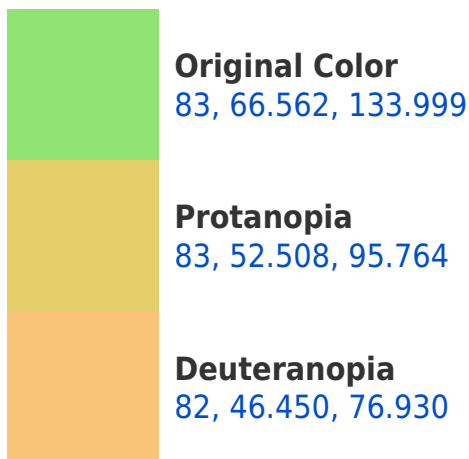


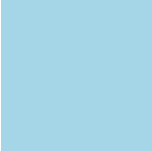
This preview shows how white text looks on a background with the CIELCh color 83, 66.562, 133.999.

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, 18.304, 228.049

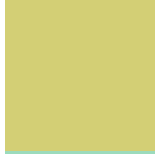
Trichromacy



Original Color
83, 66.562, 133.999



Protanomaly
82, 54.236, 112.919



Deuteranomaly
82, 46.387, 103.970

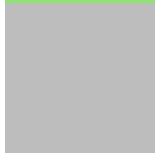


Tritanomaly
83, 27.834, 161.411

Monochromacy



Original Color
83, 66.562, 133.999



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 25.284, 135.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 66.562, 133.999 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(143, 227, 112)` looks like.

```
.text, #text, p{  
    color:rgb(143, 227, 112)  
}
```

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(143, 227, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 227, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 66.562, 133.999 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(143, 227, 112) }
```

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

```
.border{ border-color:rgb(143, 227, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 227, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 227, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 227, 112);  
box-shadow:4px 4px 4px 4px rgb(143, 227,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 66.562, 133.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 227, 112) }
```

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

```
.background{ background-color: rgb(143,  
227, 112) }
```

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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