

Converting Colors

CIELCh(83, 98.935, 137.840)

Have a look what the booklet for
CIELCh(83, 98.935, 137.840)
contains.

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Color

CIELCh(83, 99.033, 137.821)

Conversions

Conversions Part 1

Format	Color
Hex	42ED42
RGB	66, 237, 66
RGB Percent	26%, 93%, 26%
CMY	0.7408, 0.0703, 0.7409
CMYK	0.72, 0.00, 0.72, 0.07
HSL	120°, 83%, 59%
HSV	120°, 72%, 93%
XYZ	33.5421, 62.1629, 15.3957
YIQ	166.3770, -47.0250, -89.4330

Conversions

Conversions Part 2

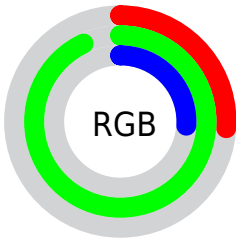
Format	Color
RYB	66, 237, 237
Decimal	4386114
CIELab	83.00, -73.39, 66.50
CIElCh	83, 99.033, 137.821
Yxy	62.1629, 0.3019, 0.5595
Android (android.graphics.Color)	4282576194 (0xFF42ED42)
YUV	166.3770, -49.4859, -88.0306
Hunter-Lab	78.8435, -62.0374, 43.6129

Details

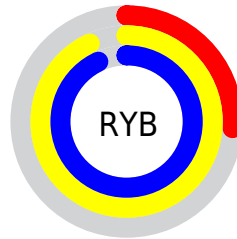
The CIELCh color **83, 99.033, 137.821** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **60, 97.085, 327.839**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 78.250, 137.942**, and **64, 92.221, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 106.780, 136.885**, and if you desaturate by 10%, it is **84, 88.719, 138.932**.

Distribution



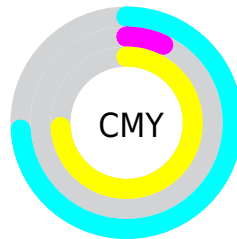
- Red (26%)
- Green (93%)
- Blue (26%)



- Red (26%)
- Yellow (93%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (72%)
- Black (7%)





- Cyan (74%)
- Magenta (7%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 99.033, 137.821 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, 99.033, 137.821 by changing the saturation by 10% instead.


 83, 99.033,
137.821


 83, 99.033,
137.821


 100, 99.033,
137.821


 73, 99.033,
137.821

 63, 99.033,
137.821

 53, 99.033,
137.821

 43, 99.033,
137.821

 33, 99.033,
137.821

 23, 99.033,
137.821

 13, 99.033,

137.821

■ 3, 99.033, 137.821

■ 0, 99.033, 137.821

■ 83, 99.033,
137.821

■ 83, 99.033,
137.821

■ 83, 106.780,
136.885

■ 84, 88.719,
138.932

■ 82, 111.502,
136.268

■ 85, 76.452,
140.076


■ 82, 113.348,
136.016

■ 86, 62.819,
141.159


■ 87, 48.314,
142.134

■ 89, 33.341,

142.985

 91, 18.214,
143.719

 93, 3.166, 144.413

 96, 11.184,
324.803

Harmonies

Complementary

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



83, 99.033, 137.821



60, 97.085, 327.839

Rectangle

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



83, 99.033, 137.821



83, 99.033, 187.821



83, 99.033, 317.821



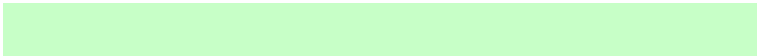
83, 99.033, 7.821

Sweetspot

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



83, 99.033, 137.822



95, 35.166, 142.988



90, 78.647, 102.915



50, 23.629, 142.769



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, 99.033, 137.822



88, 115.852, 136.517



84, 69.642, 153.867



48, 8.445, 143.899



64, 92.620, 136.015



18, 38.235, 138.274

Inverse Universe

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



60, 97.085, 327.839



61, 112.326, 328.132



56, 71.946, 352.136



46, 8.457, 324.939



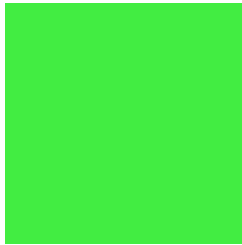
43, 89.364, 328.228



9, 38.268, 328.229

Previews

White Background



This preview shows how the CIE LCh color 83, 99.033, 137.821 looks on a white background.

Color Contrast Check

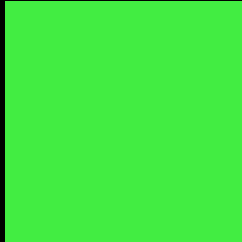
Large Text (above 18pt) WCAG AA × Fail

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, 99.033, 137.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

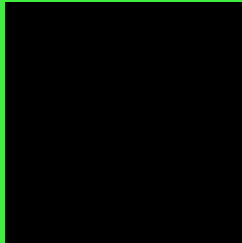
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 99.033, 137.821

Background



This preview shows how black text looks on a background with the CIELCh color 83, 99.033, 137.821.

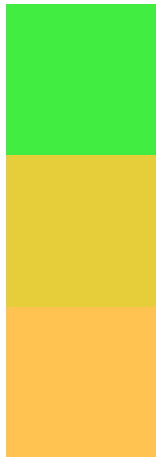


This preview shows how white text looks on a background with the CIELCh color 83, 99.033, 137.821.

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](#).

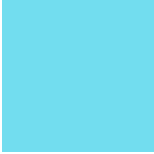
Dichromacy



Original Color
83, 99.033, 137.821

Protanopia
82, 71.664, 95.067

Deuteranopia
82, 63.858, 80.567



Tritanopia
83, 31.819, 215.063

Trichromacy



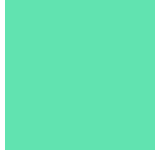
Original Color
83, 99.033, 137.821



Protanomaly
81, 76.890, 118.470



Deuteranomaly
80, 66.787, 113.056



Tritanomaly
82, 49.816, 163.330

Monochromacy



Original Color
83, 99.033, 137.821



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 40.921, 142.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 99.033, 137.821 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(66, 237, 66)` looks like.

```
.text, #text, p{  
    color:rgb(66, 237, 66)  
}
```

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(66, 237, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 237, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 99.033, 137.821 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(66, 237, 66) }
```

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

```
.border{ border-color:rgb(66, 237, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 237, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 237, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 237, 66);  
box-shadow:4px 4px 4px 4px rgb(66, 237,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 99.033, 137.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 237, 66) }
```

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

```
.background{ background-color: rgb(66, 237,  
66) }
```

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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