

Converting Colors

CIELCh(83, 108.612, 136.719)

Have a look what the booklet for
CIELCh(83, 108.612, 136.719)
contains.

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Color

CIELCh(83, 108.644, 136.733)

Conversions

Conversions Part 1

Format	Color
Hex	26EF26
RGB	38, 239, 38
RGB Percent	15%, 94%, 15%
CMY	0.8528, 0.0635, 0.8520
CMYK	0.84, 0.00, 0.84, 0.06
HSL	120°, 86%, 54%
HSV	120°, 84%, 94%
XYZ	31.9387, 62.1629, 12.1265
YIQ	155.9870, -55.2750, -105.1230

Conversions

Conversions Part 2

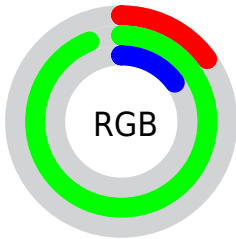
Format	Color
R_{YB}	38, 239, 239
Decimal	2551590
CIE _{Lab}	83.00, -79.11, 74.46
CIE _{LCh}	83, 108.644, 136.733
Yxy	62.1629, 0.3007, 0.5852
Android (android.graphics.Color)	4280741670 (0xFF26EF26)
YUV	155.9870, -58.1676, -103.4746
Hunter-Lab	78.8435, -65.6676, 46.0713

Details

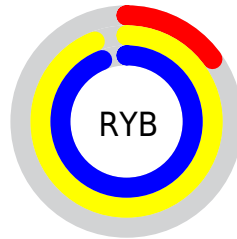
The CIELCh color **83, 108.644, 136.733** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58, 105.493, 328.131**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.831, 136.601**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 112.726, 136.191**, and if you desaturate by 10%, it is **83, 101.476, 137.618**.

Distribution



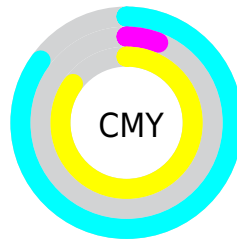
- Red (15%)
- Green (94%)
- Blue (15%)



- Red (15%)
- Yellow (94%)
- Blue (94%)



- Cyan (84%)
- Magenta (0%)
- Yellow (84%)
- Black (6%)





- Cyan (85%)
- Magenta (6%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 108.644, 136.733 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, 108.644, 136.733 by changing the saturation by 10% instead.


 83, 108.644,
136.733


 83, 108.644,
136.733


 100, 108.644,
136.733


 73, 108.644,
136.733


 63, 108.644,
136.733

 53, 108.644,
136.733

 43, 108.644,
136.733

 33, 108.644,
136.733

 23, 108.644,
136.733

 13, 108.644,

136.733

■ 3, 108.644,
136.733

■ 0, 108.644,
136.733

■ 83, 108.644,
136.733

■ 83, 108.644,
136.733

■ 83, 112.726,
136.191

■ 83, 101.476,
137.618

■ 83, 113.961,
136.022

■ 84, 91.609,
138.707

■ 85, 79.647,
139.856

■ 86, 66.191,
140.960

■ 88, 51.761,
141.962

■ 89, 36.781,
142.841

■ 91, 21.584,
143.600

■ 93, 6.423, 144.272

■ 96, 8.522, 324.732

Harmonies

Complementary

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



83, 108.644, 136.733



58, 105.493, 328.131

Rectangle

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



83, 108.644, 136.733



83, 108.644, 186.733



83, 108.644, 316.733



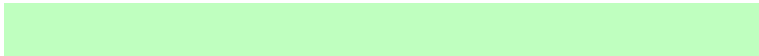
83, 108.644, 6.733

Sweetspot

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



83, 108.644, 136.734



94, 39.936, 142.774



92, 87.729, 103.188



50, 27.230, 142.475



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, 108.644, 136.734



88, 119.762, 136.022



84, 77.024, 152.265



49, 8.590, 143.927



65, 93.568, 136.024



19, 39.661, 137.819

Inverse Universe

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



58, 105.493, 328.131



60, 115.473, 328.274



54, 77.732, 356.742



47, 8.602, 324.971



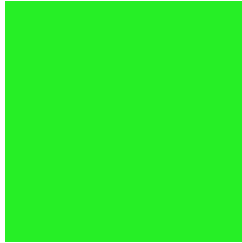
44, 90.225, 328.273



10, 39.391, 328.267

Previews

White Background



This preview shows how the CIELCh color 83, 108.644, 136.733 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 CIE LCh color 83, 108.644, 136.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

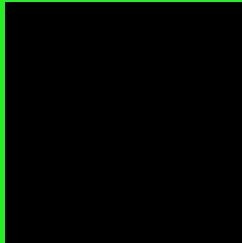
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 108.644, 136.733

Background



This preview shows how black text looks on a background with the CIELCh color 83, 108.644, 136.733.

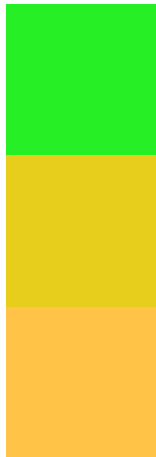


This preview shows how white text looks on a background with the CIELCh color 83, 108.644, 136.733.

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, 108.644, 136.733

Protanopia

82, 79.659, 94.887

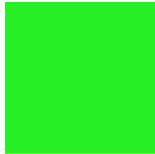
Deuteranopia

82, 67.777, 81.540



Tritanopia
83, 33.754, 213.903

Trichromacy



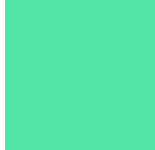
Original Color
83, 108.644, 136.733



Protanomaly
80, 85.548, 118.890



Deuteranomaly
80, 73.871, 115.328



Tritanomaly
82, 56.717, 160.482

Monochromacy



Original Color
83, 108.644, 136.733



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 48.234, 141.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 108.644, 136.733 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(38, 239, 38)` looks like.

```
.text, #text, p{  
    color:rgb(38, 239, 38)  
}
```

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(38, 239, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 239, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 108.644, 136.733 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(38, 239, 38) }
```

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

```
.border{ border-color:rgb(38, 239, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 239, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 239, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 239, 38);  
box-shadow:4px 4px 4px 4px rgb(38, 239,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 108.644, 136.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 239, 38) }
```

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

```
.background{ background-color: rgb(38, 239,  
38) }
```

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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