

Converting Colors

CIELCh(83, 110.157, 137.407)

Have a look what the booklet for
CIELCh(83, 110.157, 137.407)
contains.

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Color

CIELCh(83, 109.981, 137.414)

Conversions

Conversions Part 1

Format	Color
Hex	08EF26
RGB	8, 239, 38
RGB Percent	3%, 94%, 15%
CMY	0.9698, 0.0611, 0.8525
CMYK	0.97, 0.00, 0.84, 0.06
HSL	128°, 94%, 48%
HSV	128°, 97%, 94%
XYZ	31.4277, 62.1629, 12.1419
YIQ	147.0170, -73.1550, -111.4830

Conversions

Conversions Part 2

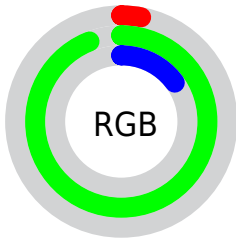
Format	Color
RYB	8, 212, 239
Decimal	585510
CIELab	83.00, -80.97, 74.42
CIELCh	83, 109.981, 137.414
Yxy	62.1629, 0.2972, 0.5879
Android (android.graphics.Color)	4278775590 (0xFF08EF26)
YUV	147.0170, -53.7454, -121.9179
Hunter-Lab	78.8435, -66.8245, 46.0597

Details

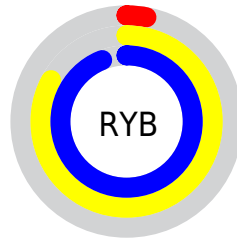
The CIELCh color **83, 109.981, 137.414** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 99.175, 334.043**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.057, 137.667**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 111.242, 137.096**, and if you desaturate by 10%, it is **83, 104.649, 138.687**.

Distribution



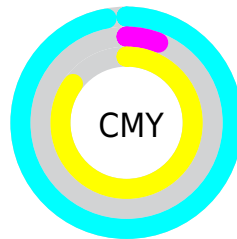
- Red (3%)
- Green (94%)
- Blue (15%)



- Red (3%)
- Yellow (83%)
- Blue (94%)



- Cyan (97%)
- Magenta (0%)
- Yellow (84%)
- Black (6%)





- Cyan (97%)
- Magenta (6%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 109.981, 137.414 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, 109.981, 137.414 by changing the saturation by 10% instead.


 83, 109.981,
137.414


 83, 109.981,
137.414


 100, 109.981,
137.414


 73, 109.981,
137.414


 63, 109.981,
137.414

 53, 109.981,
137.414

 43, 109.981,
137.414

 33, 109.981,
137.414

 23, 109.981,
137.414

 13, 109.981,

137.414

■ 3, 109.981,
137.414

■ 0, 109.981,
137.414

■ 83, 109.981,
137.414

■ 83, 109.981,
137.414

■ 83, 111.242,
137.096

■ 83, 104.649,
138.687

■ 84, 97.060,
140.116

■ 84, 87.513,
141.566

■ 85, 76.380,
142.942

■ 86, 64.045,
144.191

■ 88, 50.873,
145.292

■ 89, 37.193,
146.247

■ 91, 23.279,
147.071

■ 93, 9.356, 147.791

Harmonies

Complementary

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



83, 109.981, 137.414



55, 99.175, 334.043

Rectangle

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



83, 109.981, 137.414



83, 109.981, 187.414



83, 109.981, 317.414



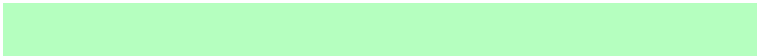
83, 109.981, 7.414

Sweetspot

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



83, 109.981, 137.415



94, 42.362, 146.039



90, 92.673, 109.921



49, 29.022, 145.633



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, 109.981, 137.415



88, 116.792, 137.057



84, 73.856, 156.163



49, 7.859, 147.604



65, 90.718, 137.301



19, 37.151, 140.203

Inverse Universe

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



55, 99.175, 334.043



59, 104.247, 334.275



51, 80.464, 12.578



47, 7.877, 328.707



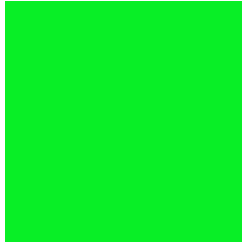
42, 81.618, 334.137



10, 36.130, 333.215

Previews

White Background



This preview shows how the CIELCh color 83, 109.981, 137.414 looks on a white background.

Color Contrast Check

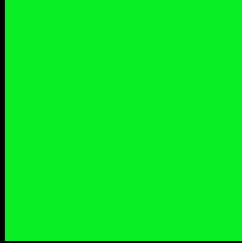
Large Text (above 18pt) WCAG AA × Fail

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, 109.981, 137.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

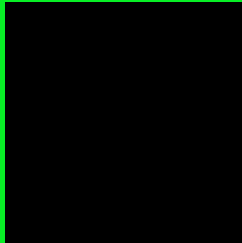
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 109.981, 137.414

Background



This preview shows how black text looks on a background with the CIELCh color 83, 109.981, 137.414.



This preview shows how white text looks on a background with the CIELCh color 83, 109.981, 137.414.

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

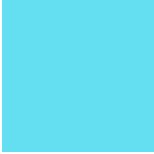
83, 109.743, 137.443

Protanopia

82, 79.659, 94.887

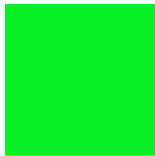
Deuteranopia

82, 67.397, 81.452



Tritanopia
83, 34.853, 213.294

Trichromacy



Original Color
83, 109.743, 137.443



Protanomaly
80, 87.574, 121.605

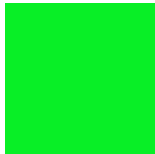


Deuteranomaly
79, 75.002, 118.616



Tritanomaly
82, 58.771, 161.741

Monochromacy



Original Color
83, 109.743, 137.443



Achromatopsia
61, 0.008, 296.813



Achromatomaly
67, 51.248, 144.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 109.981, 137.414 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(8, 239, 38)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 239, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 239, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 109.981, 137.414 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(8, 239, 38) }
```

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

```
.border{ border-color:rgb(8, 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(8, 239, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 239, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 239, 38);  
box-shadow:4px 4px 4px 4px rgb(8, 239, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 109.981, 137.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 239, 38) }
```

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

```
.background{ background-color: rgb(8, 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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