

Converting Colors

CIELCh(83, 109.303, 137.533)

Have a look what the booklet for
CIELCh(83, 109.303, 137.533)
contains.

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Color

CIELCh(83, 109.244, 137.501)

Conversions

Conversions Part 1

Format	Color
Hex	0FEF28
RGB	15, 239, 40
RGB Percent	6%, 94%, 16%
CMY	0.9393, 0.0616, 0.8416
CMYK	0.94, 0.00, 0.83, 0.06
HSL	127°, 88%, 50%
HSV	127°, 94%, 94%
XYZ	31.5452, 62.1629, 12.3784
YIQ	149.3380, -69.6250, -109.3770

Conversions

Conversions Part 2

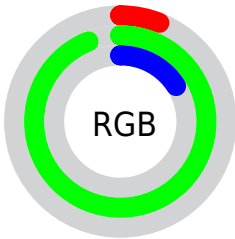
Format	Color
RYB	15, 217, 239
Decimal	1044264
CIELab	83.00, -80.54, 73.80
CIELCh	83, 109.244, 137.501
Yxy	62.1629, 0.2974, 0.5860
Android (android.graphics.Color)	4279234344 (0xFF0FEF28)
YUV	149.3380, -53.9036, -117.8144
Hunter-Lab	78.8435, -66.5584, 45.8819

Details

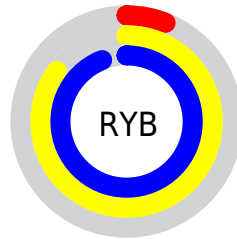
The CIELCh color **83, 109.244, 137.501** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **56, 100.152, 332.967**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 88.550, 137.691**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 111.802, 136.872**, and if you desaturate by 10%, it is **83, 103.337, 138.751**.

Distribution



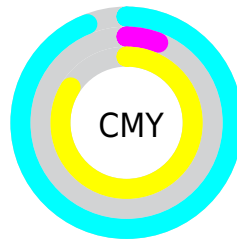
- Red (6%)
- Green (94%)
- Blue (16%)



- Red (6%)
- Yellow (85%)
- Blue (94%)



- Cyan (94%)
- Magenta (0%)
- Yellow (83%)
- Black (6%)





- Cyan (94%)
- Magenta (6%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 109.244, 137.501 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, 109.244, 137.501 by changing the saturation by 10% instead.


 83, 109.244,
137.501


 83, 109.244,
137.501


 100, 109.244,
137.501


 73, 109.244,
137.501


 63, 109.244,
137.501

 53, 109.244,
137.501

 43, 109.244,
137.501

 33, 109.244,
137.501

 23, 109.244,
137.501

 13, 109.244,

137.501

■ 3, 109.244,
137.501

■ 0, 109.244,
137.501

■ 83, 109.244,
137.501

■ 83, 109.244,
137.501

■ 83, 111.802,
136.872

■ 83, 103.337,
138.751

■ 84, 95.137,
140.139

■ 84, 85.001,
141.536

■ 85, 73.342,
142.853

■ 87, 60.562,
144.042

■ 88, 47.035,
145.086

■ 90, 33.083,
145.990

■ 92, 18.973,
146.769

■ 94, 4.915, 147.477

Harmonies

Complementary

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



83, 109.244, 137.501



56, 100.152, 332.967

Rectangle

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



83, 109.244, 137.501



83, 109.244, 187.501



83, 109.244, 317.501



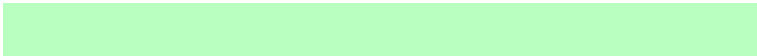
83, 109.244, 7.501

Sweetspot

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



83, 109.244, 137.502



94, 41.429, 145.594



90, 91.739, 108.829



49, 28.562, 145.193



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, 109.244, 137.502



88, 117.416, 136.836



84, 73.910, 155.849



49, 7.958, 147.056



65, 91.255, 137.056



19, 37.493, 139.853

Inverse Universe

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



56, 100.152, 332.967



59, 105.721, 333.340



52, 79.443, 9.324



47, 7.975, 328.149



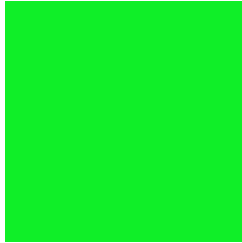
42, 82.750, 333.226



10, 36.563, 332.458

Previews

White Background



This preview shows how the CIELCh color 83, 109.244, 137.501 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, 109.244, 137.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

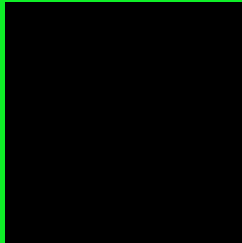
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 109.244, 137.501

Background



This preview shows how black text looks on a background with the CIELCh color 83, 109.244, 137.501.

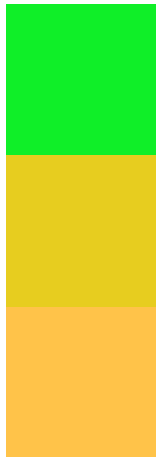


This preview shows how white text looks on a background with the CIELCh color 83, 109.244, 137.501.

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

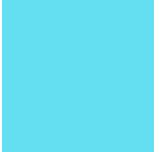
83, 109.218, 137.485

Protanopia

82, 79.073, 94.879

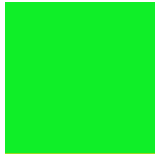
Deuteranopia

82, 67.397, 81.452



Tritanopia
83, 34.853, 213.294

Trichromacy



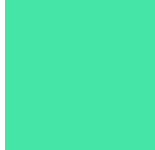
Original Color
83, 109.218, 137.485



Protanomaly
80, 86.158, 120.921

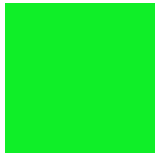


Deuteranomaly
79, 74.337, 117.825



Tritanomaly
82, 58.033, 161.921

Monochromacy



Original Color
83, 109.218, 137.485



Achromatopsia
62, 0.008, 296.813



Achromatomaly
68, 49.565, 144.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 109.244, 137.501 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(15, 239, 40)` looks like.

```
.text, #text, p{  
    color:rgb(15, 239, 40)  
}
```

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(15, 239, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 239, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 109.244, 137.501 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(15, 239, 40) }
```

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

```
.border{ border-color:rgb(15, 239, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 239, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 239, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 239, 40);  
box-shadow:4px 4px 4px 4px rgb(15, 239,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 109.244, 137.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 239, 40) }
```

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

```
.background{ background-color: rgb(15, 239,  
40) }
```

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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