

Converting Colors

CIELCh(83, 108.797, 137.830)

Have a look what the booklet for
CIELCh(83, 108.797, 137.830)
contains.

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Color

CIELCh(83, 108.567, 137.871)

Conversions

Conversions Part 1

Format	Color
Hex	0BEF2C
RGB	11, 239, 44
RGB Percent	4%, 94%, 17%
CMY	0.9571, 0.0616, 0.8259
CMYK	0.95, 0.00, 0.81, 0.06
HSL	129°, 91%, 49%
HSV	129°, 95%, 94%
XYZ	31.5526, 62.1629, 12.7562
YIQ	148.5980, -73.2930, -108.9810

Conversions

Conversions Part 2

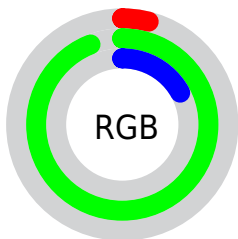
Format	Color
RYB	11, 210, 239
Decimal	782124
CIELab	83.00, -80.52, 72.83
CIELCh	83, 108.567, 137.871
Yxy	62.1629, 0.2963, 0.5838
Android (android.graphics.Color)	4278972204 (0xFF0BEF2C)
YUV	148.5980, -51.5668, -120.6734
Hunter-Lab	78.8435, -66.5416, 45.5978

Details

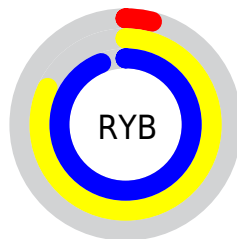
The CIELCh color **83, 108.567, 137.871** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 97.730, 334.860**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.623, 138.288**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 110.532, 137.347**, and if you desaturate by 10%, it is **83, 102.745, 139.266**.

Distribution



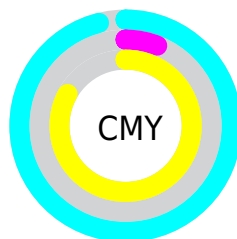
- Red (4%)
- Green (94%)
- Blue (17%)



- Red (4%)
- Yellow (82%)
- Blue (94%)



- Cyan (95%)
- Magenta (0%)
- Yellow (81%)
- Black (6%)





- Cyan (96%)
- Magenta (6%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 108.567, 137.871 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, 108.567, 137.871 by changing the saturation by 10% instead.


 83, 108.567,
137.871


 83, 108.567,
137.871


 100, 108.567,
137.871


 73, 108.567,
137.871


 63, 108.567,
137.871

 53, 108.567,
137.871

 43, 108.567,
137.871

 33, 108.567,
137.871

 23, 108.567,
137.871

 13, 108.567,

137.871

■ 3, 108.567,
137.871

■ 0, 108.567,
137.871

■ 83, 108.567,
137.871

■ 83, 108.567,
137.871

■ 83, 110.532,
137.347

■ 83, 102.745,
139.266

■ 84, 94.813,
140.767

■ 84, 85.063,
142.249

■ 85, 73.844,
143.633

■ 86, 61.515,
144.875

■ 88, 48.420,
145.965

■ 89, 34.868,
146.908

■ 91, 21.121,
147.721

■ 93, 7.389, 148.442

Harmonies

Complementary

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



83, 108.567, 137.871



55, 97.730, 334.860

Rectangle

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



83, 108.567, 137.871



83, 108.567, 187.871



83, 108.567, 317.871



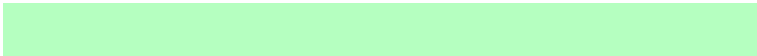
83, 108.567, 7.871

Sweetspot

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



83, 108.567, 137.872



94, 41.835, 146.578



90, 92.614, 110.819



49, 28.661, 146.170



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, 108.567, 137.872



88, 116.100, 137.303



84, 71.871, 157.584



49, 7.762, 148.156



65, 90.133, 137.570



19, 36.815, 140.554

Inverse Universe

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



55, 97.730, 334.860



58, 102.824, 335.232



51, 80.364, 13.440



47, 7.781, 329.272



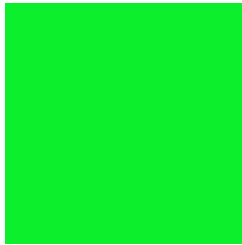
42, 80.524, 335.070



9, 35.710, 333.986

Previews

White Background



This preview shows how the CIE LCh color 83, 108.567, 137.871 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, 108.567, 137.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

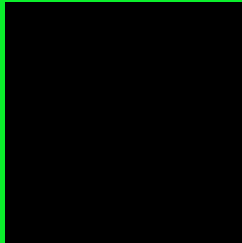
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

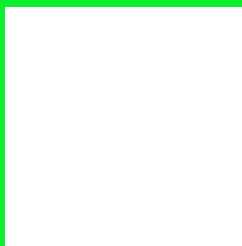
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 108.567, 137.871

Background



This preview shows how black text looks on a background with the CIELCh color 83, 108.567, 137.871.



This preview shows how white text looks on a background with the CIELCh color 83, 108.567, 137.871.

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

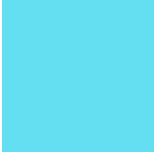
83, 108.527, 137.845

Protanopia

82, 78.145, 95.187

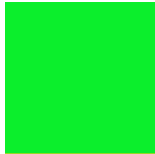
Deuteranopia

82, 67.014, 81.362



Tritanopia
83, 34.853, 213.294

Trichromacy



Original Color
83, 108.527, 137.845



Protanomaly
80, 85.708, 121.858



Deuteranomaly
79, 73.881, 118.594



Tritanomaly
82, 57.447, 162.796

Monochromacy



Original Color
83, 108.527, 137.845



Achromatopsia
62, 0.008, 296.813



Achromatomaly
67, 49.538, 144.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 108.567, 137.871 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(11, 239, 44)` looks like.

```
.text, #text, p{  
    color:rgb(11, 239, 44)  
}
```

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(11, 239, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 239, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 108.567, 137.871 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(11, 239, 44) }
```

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

```
.border{ border-color:rgb(11, 239, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 239, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 239, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 239, 44);  
box-shadow:4px 4px 4px 4px rgb(11, 239,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 108.567, 137.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 239, 44) }
```

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

```
.background{ background-color: rgb(11, 239,  
44) }
```

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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