

Converting Colors

CIELCh(83, 110.321, 136.701)

Have a look what the booklet for
CIELCh(83, 110.321, 136.701)
contains.

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Color

CIELCh(83, 110.199, 136.706)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 1BEF20 |
| RGB | 27, 239, 32 |
| RGB Percent | 11%, 94%, 13% |
| CMY | 0.8923, 0.0622, 0.8736 |
| CMYK | 0.89, 0.00, 0.87, 0.06 |
| HSL | 121°, 87%, 52% |
| HSV | 121°, 89%, 94% |
| XYZ | 31.6373, 62.1629, 11.7140 |
| YIQ | 152.0140, -59.9050, -109.3210 |

Conversions

Conversions Part 2

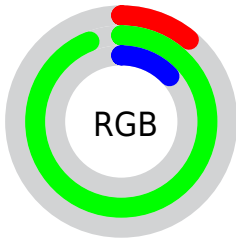
| Format | Color |
|-------------------------------------|----------------------------------|
| R _Y B | 27, 234, 239 |
| Decimal | 1830688 |
| CIE Lab | 83.00, -80.21, 75.57 |
| CIE LCh | 83, 110.199, 136.706 |
| Yxy | 62.1629, 0.2998, 0.5891 |
| Android (android.graphics.Color) | 4280020768 (0xFF1BEF20) |
| YUV | 152.0140, -59.1669, -109.6373 |
| Hunter-Lab | 78.8435, -66.3499, 46.3815 |




Details

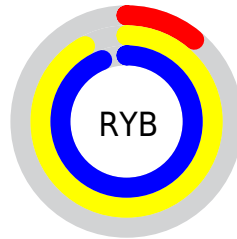
The CIELCh color **83, 110.199, 136.706** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57, 105.703, 328.990**, and the grayscale version is **63, 0.008, 296.813**.




A 20% lighter version of the original color is **90, 89.513, 136.700**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 113.424, 136.189**, and if you desaturate by 10%, it is **83, 104.013, 137.588**.

Distribution







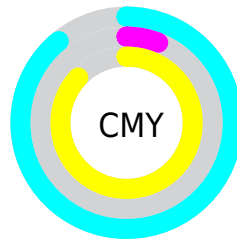
-  Red (11%)
-  Green (94%)
-  Blue (13%)






-  Red (11%)
-  Yellow (92%)
-  Blue (94%)



-  Cyan (89%)
-  Magenta (0%)
-  Yellow (87%)
-  Black (6%)





-  Cyan (89%)
-  Magenta (6%)
-  Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 110.199, 136.706 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, 110.199, 136.706 by changing the saturation by 10% instead.


 83, 110.199,
136.706


 83, 110.199,
136.706


 100, 110.199,
136.706


 73, 110.199,
136.706


 63, 110.199,
136.706

 53, 110.199,
136.706

 43, 110.199,
136.706

 33, 110.199,
136.706

 23, 110.199,
136.706

 13, 110.199,

136.706

■ 3, 110.199,
136.706

■ 0, 110.199,
136.706

■ 83, 110.199,
136.706

■ 83, 110.199,
136.706

■ 83, 113.424,
136.189

■ 83, 104.013,
137.588

■ 83, 113.730,
136.149

■ 84, 95.078,
138.697

■ 85, 83.923,
139.888

■ 86, 71.124,
141.047

■ 87, 57.200,
142.110

■ 89, 42.591,
143.050

■ 90, 27.649,
143.863

■ 93, 12.650,
144.566

■ 95, 2.202, 324.990

Harmonies

Complementary

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



83, 110.199, 136.706



57, 105.703, 328.990

Rectangle

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



83, 110.199, 136.706



83, 110.199, 186.706



83, 110.199, 316.706



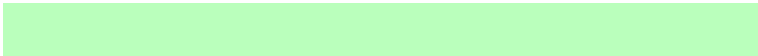
83, 110.199, 6.706

Sweetspot

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



83, 110.198, 136.707



94, 42.497, 143.173



92, 89.624, 104.010



50, 28.609, 142.872



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, 110.198, 136.707



88, 119.422, 136.138



84, 78.248, 152.204



49, 8.465, 144.502



65, 93.168, 136.200



19, 39.233, 138.197

Inverse Universe

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



57, 105.703, 328.990



60, 113.506, 329.166



53, 78.704, 359.610



47, 8.478, 325.552



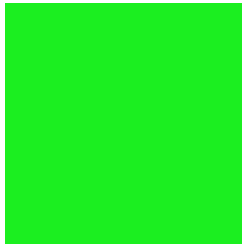
43, 88.719, 329.147



10, 38.824, 329.018

Previews

White Background



This preview shows how the CIELCh color 83, 110.199, 136.706 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, 110.199, 136.706 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

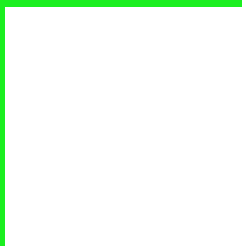
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 110.199, 136.706

Background



This preview shows how black text looks on a background with the CIELCh color 83, 110.199, 136.706.



This preview shows how white text looks on a background with the CIELCh color 83, 110.199, 136.706.

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

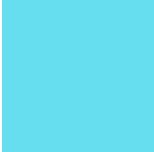
83, 110.199, 136.706

Protanopia

82, 80.835, 94.900

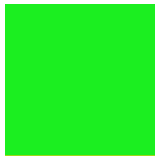
Deuteranopia

82, 68.154, 81.626



Tritanopia
83, 34.119, 213.700

Trichromacy



Original Color

83, 110.199, 136.706



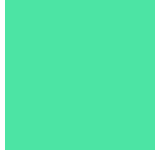
Protanomaly

80, 87.273, 119.543



Deuteranomaly

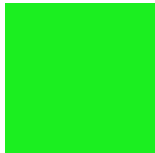
79, 75.233, 116.311



Tritanomaly

82, 58.027, 160.055

Monochromacy



Original Color

83, 110.199, 136.706



Achromatopsia

63, 0.008, 296.813



Achromatomaly

68, 50.413, 141.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 110.199, 136.706 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(27, 239, 32)` looks like.

```
.text, #text, p{  
    color:rgb(27, 239, 32)  
}
```

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(27, 239, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 239, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 110.199, 136.706 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(27, 239, 32) }
```

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

```
.border{ border-color:rgb(27, 239, 32) }
```

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

Here you see how a box with a 4 pixel rgb(27, 239, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 239, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 239, 32);  
box-shadow:4px 4px 4px 4px rgb(27, 239,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 110.199, 136.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 239, 32) }
```

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

```
.background{ background-color: rgb(27, 239,  
32) }
```

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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