

Converting Colors

CIELCh(83, 114.203, 136.115)

Have a look what the booklet for
CIELCh(83, 114.203, 136.115)
contains.

CIELCh(83, 114.201, 136.089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(83, 114.201, 136.089)

Conversions

Conversions Part 1

Format	Color
Hex	00F002
RGB	0, 240, 2
RGB Percent	0%, 94%, 1%
CMY	1.0000, 0.0598, 0.9915
CMYK	1.00, 0.00, 0.99, 0.06
HSL	121°, 100%, 47%
HSV	121°, 100%, 94%
XYZ	31.0752, 62.1629, 10.4218
YIQ	141.1080, -66.6420, -124.8980

Conversions

Conversions Part 2

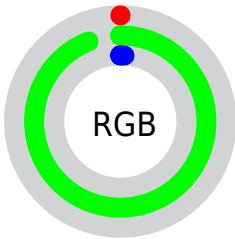
Format	Color
RYB	0, 238, 240
Decimal	61442
CIELab	83.00, -82.27, 79.20
CIELCh	83, 114.201, 136.089
Yxy	62.1629, 0.2998, 0.5997
Android (android.graphics.Color)	4278251522 (0xFF00F002)
YUV	141.1080, -68.5802, -123.7517
Hunter-Lab	78.8435, -67.6226, 47.3533

Details

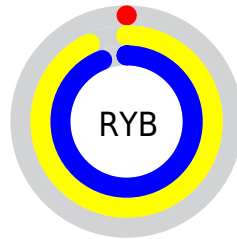
The CIELCh color **83, 114.201, 136.089** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 109.509, 328.599**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.537, 135.828**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 114.167, 136.069**, and if you desaturate by 10%, it is **83, 111.477, 136.455**.

Distribution



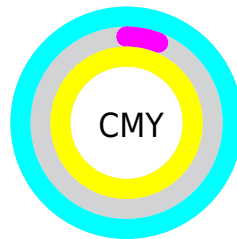
- Red (0%)
- Green (94%)
- Blue (1%)



- Red (0%)
- Yellow (93%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 114.201, 136.089 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, 114.201, 136.089 by changing the saturation by 10% instead.


 83, 114.201,
136.089


 83, 114.201,
136.089


 100, 114.201,
136.089


 73, 114.201,
136.089


 63, 114.201,
136.089

 53, 114.201,
136.089

 43, 114.201,
136.089

 33, 114.201,
136.089

 23, 114.201,
136.089

 13, 114.201,

136.089

■ 3, 114.201,
136.089

■ 0, 114.201,
136.089

■ 83, 114.201,
136.089

■ 83, 114.201,
136.089

■ 83, 114.167,
136.069

■ 83, 111.477,
136.455

■ 83, 105.923,
137.206

■ 84, 97.448,
138.233

■ 85, 86.570,
139.385

■ 86, 73.895,
140.537

■ 87, 59.980,
141.607

■ 89, 45.294,
142.561

■ 90, 30.217,
143.389

■ 92, 15.043,
144.103

Harmonies

Complementary

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



83, 114.201, 136.089



57, 109.509, 328.599

Rectangle

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



83, 114.201, 136.089



83, 114.201, 186.089



83, 114.201, 316.089



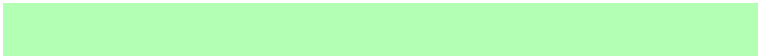
83, 114.201, 6.089

Sweetspot

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



83, 114.167, 136.069



94, 47.615, 142.552



92, 92.489, 102.852



49, 32.417, 142.163



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, 114.167, 136.069



88, 119.636, 136.065



84, 85.706, 148.735



49, 8.543, 144.138



65, 93.419, 136.090



19, 39.502, 137.958

Inverse Universe

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



57, 109.509, 328.599



60, 114.741, 328.600



52, 80.785, 2.783



47, 8.556, 325.184



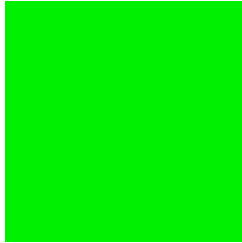
44, 89.664, 328.592



10, 39.180, 328.542

Previews

White Background



This preview shows how the CIELCh color 83, 114.201, 136.089 looks on a white background.

Color Contrast Check

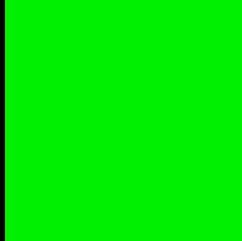
Large Text (above 18pt) WCAG AA × Fail

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, 114.201, 136.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

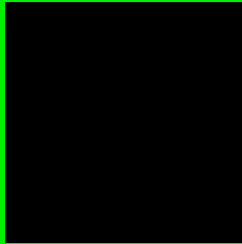
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

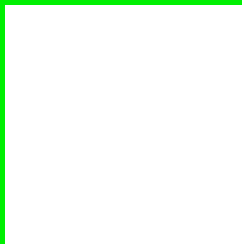
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 114.201, 136.089

Background



This preview shows how black text looks on a background with the CIELCh color 83, 114.201, 136.089.

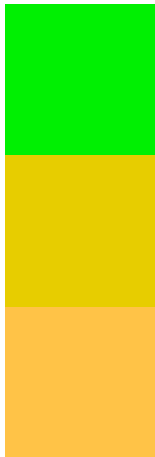


This preview shows how white text looks on a background with the CIELCh color 83, 114.201, 136.089.

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

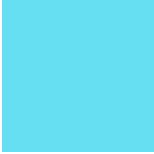
83, 114.269, 136.065

Protanopia

82, 83.066, 94.918

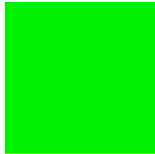
Deuteranopia

82, 68.154, 81.626



Tritanopia
83, 34.677, 213.388

Trichromacy



Original Color

83, 114.269, 136.065



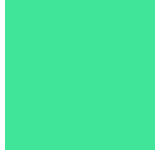
Protanomaly

80, 91.546, 121.284



Deuteranomaly

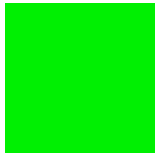
79, 79.562, 118.351



Tritanomaly

82, 63.800, 157.167

Monochromacy



Original Color

83, 114.269, 136.065



Achromatopsia

59, 0.008, 296.813



Achromatomaly

65, 56.858, 140.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 114.201, 136.089 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(0, 240, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 2)  
}
```

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(0, 240, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 114.201, 136.089 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(0, 240, 2) }
```

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

```
.border{ border-color:rgb(0, 240, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 240, 2); box-shadow:4px  
4px 4px 4px rgb(0, 240, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 114.201, 136.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 2) }
```

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

```
.background{ background-color: rgb(0, 240,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor