

Converting Colors

CIELCh(83, 110.386, 137.454)

Have a look what the booklet for
CIELCh(83, 110.386, 137.454)
contains.

CIELCh(83, 110.465, 137.464)	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, 110.465, 137.464)

Conversions

Conversions Part 1

Format	Color
Hex	00F024
RGB	0, 240, 36
RGB Percent	0%, 94%, 14%
CMY	1.0000, 0.0606, 0.8574
CMYK	1.00, 0.00, 0.85, 0.06
HSL	129°, 100%, 47%
HSV	129°, 100%, 94%
XYZ	31.3129, 62.1629, 12.0451
YIQ	144.9840, -77.5560, -114.3240

Conversions

Conversions Part 2

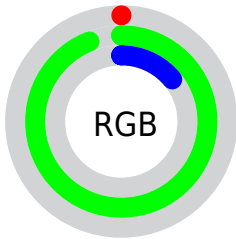
Format	Color
RYB	0, 209, 240
Decimal	61476
CIELab	83.00, -81.40, 74.68
CIELCh	83, 110.465, 137.464
Yxy	62.1629, 0.2967, 0.5891
Android (android.graphics.Color)	4278251556 (0xFF00F024)
YUV	144.9840, -53.7291, -127.1510
Hunter-Lab	78.8435, -67.0844, 46.1325

Details

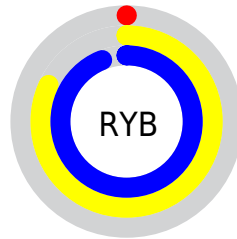
The CIELCh color **83, 110.465, 137.464** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **55, 97.708, 335.498**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.562, 137.642**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 110.405, 137.427**, and if you desaturate by 10%, it is **83, 105.484, 138.718**.

Distribution



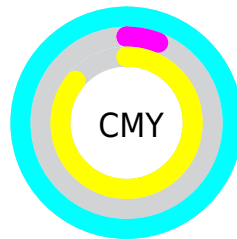
- Red (0%)
- Green (94%)
- Blue (14%)



- Red (0%)
- Yellow (82%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 110.465, 137.464 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, 110.465, 137.464 by changing the saturation by 10% instead.


 83, 110.465,
137.464


 83, 110.465,
137.464


 100, 110.465,
137.464


 73, 110.465,
137.464


 63, 110.465,
137.464

 53, 110.465,
137.464

 43, 110.465,
137.464

 33, 110.465,
137.464

 23, 110.465,
137.464

 13, 110.465,

137.464

■ 3, 110.465,
137.464

■ 0, 110.465,
137.464

■ 83, 110.465,
137.464

■ 83, 110.465,
137.464

■ 83, 110.405,
137.427

■ 83, 105.484,
138.718

■ 84, 98.451,
140.209

■ 84, 89.483,
141.726

■ 85, 78.904,
143.171

■ 86, 67.065,
144.485

■ 87, 54.314,
145.648

■ 89, 40.974,
146.659

■ 90, 27.328,
147.531

■ 92, 13.607,
148.288

Harmonies

Complementary

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



83, 110.465, 137.464



55, 97.708, 335.498

Rectangle

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



83, 110.465, 137.464



83, 110.465, 187.464



83, 110.465, 317.464



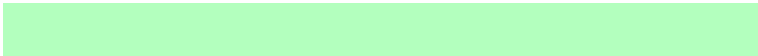
83, 110.465, 7.464

Sweetspot

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



83, 110.405, 137.427



94, 43.103, 146.650



89, 93.893, 112.035



49, 29.354, 146.239



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, 110.405, 137.427



88, 115.878, 137.383



84, 72.186, 157.707



49, 7.733, 148.325



65, 89.946, 137.657



19, 36.715, 140.661

Inverse Universe

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



55, 97.708, 335.498



58, 102.402, 335.527



51, 82.246, 17.481



47, 7.752, 329.444



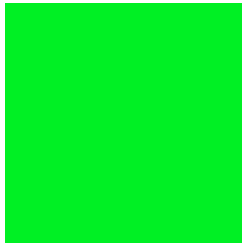
42, 80.200, 335.357



9, 35.585, 334.222

Previews

White Background



This preview shows how the CIELCh color 83, 110.465, 137.464 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, 110.465, 137.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

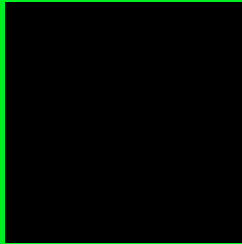
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

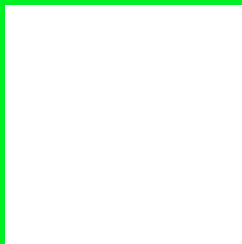
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 110.465, 137.464

Background



This preview shows how black text looks on a background with the CIELCh color 83, 110.465, 137.464.



This preview shows how white text looks on a background with the CIELCh color 83, 110.465, 137.464.

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

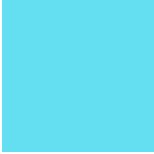
83, 110.639, 137.398

Protanopia

82, 80.022, 94.891

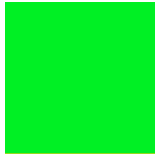
Deuteranopia

82, 67.397, 81.452



Tritanopia
83, 34.853, 213.294

Trichromacy



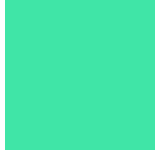
Original Color
83, 110.639, 137.398



Protanomaly
80, 88.165, 122.224

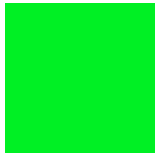


Deuteranomaly
79, 75.351, 119.476



Tritanomaly
82, 59.013, 161.877

Monochromacy



Original Color
83, 110.639, 137.398



Achromatopsia
60, 0.008, 296.813



Achromatomaly
66, 51.709, 144.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 110.465, 137.464 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 110.465, 137.464 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, 36) }
```

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

```
.border{ border-color:rgb(0, 240, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 110.465, 137.464 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, 36) }
```

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

```
.background{ background-color: rgb(0, 240,  
36) }
```

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