

Converting Colors

CIELCh(83, 112.979, 136.290)

Have a look what the booklet for
CIELCh(83, 112.979, 136.290)
contains.

CIELCh(83, 113.169, 136.286)	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, 113.169, 136.286)

Conversions

Conversions Part 1

Format	Color
Hex	06F00E
RGB	6, 240, 14
RGB Percent	2%, 94%, 5%
CMY	0.9750, 0.0603, 0.9454
CMYK	0.97, 0.00, 0.94, 0.06
HSL	122°, 95%, 48%
HSV	122°, 97%, 94%
XYZ	31.2036, 62.1629, 10.7661
YIQ	144.2700, -66.9180, -119.8940

Conversions

Conversions Part 2

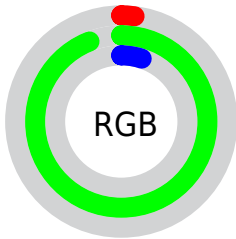
Format	Color
RYB	6, 232, 240
Decimal	454670
CIELab	83.00, -81.80, 78.21
CIELCh	83, 113.169, 136.286
Yxy	62.1629, 0.2997, 0.5970
Android (android.graphics.Color)	4278644750 (0xFF06F00E)
YUV	144.2700, -64.2231, -121.2628
Hunter-Lab	78.8435, -67.3317, 47.0944

Details

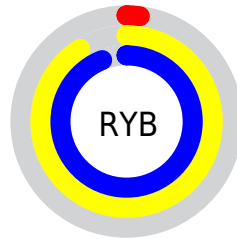
The CIELCh color **83, 113.169, 136.286** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **57, 107.056, 329.537**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.383, 136.103**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 113.739, 136.206**, and if you desaturate by 10%, it is **83, 109.435, 136.926**.

Distribution



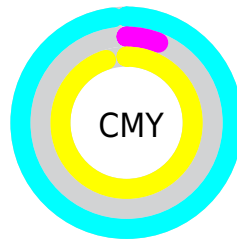
- Red (2%)
- Green (94%)
- Blue (5%)



- Red (2%)
- Yellow (91%)
- Blue (94%)



- Cyan (97%)
- Magenta (0%)
- Yellow (94%)
- Black (6%)





- Cyan (98%)
- Magenta (6%)
- Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 113.169, 136.286 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, 113.169, 136.286 by changing the saturation by 10% instead.


 83, 113.169,
136.286


 83, 113.169,
136.286


 100, 113.169,
136.286


 73, 113.169,
136.286


 63, 113.169,
136.286

 53, 113.169,
136.286

 43, 113.169,
136.286

 33, 113.169,
136.286

 23, 113.169,
136.286

 13, 113.169,

136.286

■ 3, 113.169,
136.286

■ 0, 113.169,
136.286

■ 83, 113.169,
136.286

■ 83, 113.169,
136.286

■ 83, 113.739,
136.206

■ 83, 109.435,
136.926

■ 84, 102.780,
137.896

■ 84, 93.497,
139.057

■ 85, 82.119,
140.270

■ 86, 69.198,
141.433

■ 87, 55.231,
142.488

■ 89, 40.636,
143.416

■ 91, 25.750,
144.217

■ 93, 10.836,
144.912

Harmonies

Complementary

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



83, 113.169, 136.286



57, 107.056, 329.537

Rectangle

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



83, 113.169, 136.286



83, 113.169, 186.286



83, 113.169, 316.286



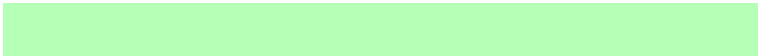
83, 113.169, 6.286

Sweetspot

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



83, 113.168, 136.287



94, 45.320, 143.262



92, 92.000, 103.914



49, 31.042, 142.871



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, 113.168, 136.287



88, 119.268, 136.191



84, 82.891, 150.186



49, 8.408, 144.770



65, 92.987, 136.280



19, 39.039, 138.372

Inverse Universe

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



57, 107.056, 329.537



60, 112.617, 329.589



52, 80.275, 3.243



47, 8.421, 325.824



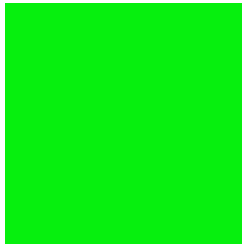
43, 88.037, 329.561



10, 38.568, 329.371

Previews

White Background



This preview shows how the CIELCh color 83, 113.169, 136.286 looks on a white background.

Color Contrast Check

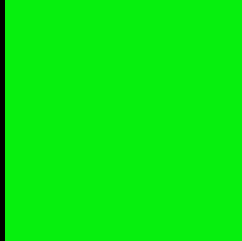
Large Text (above 18pt) WCAG AA × Fail

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, 113.169, 136.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

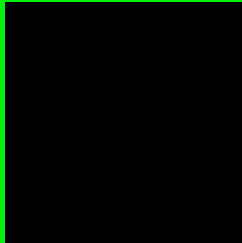
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

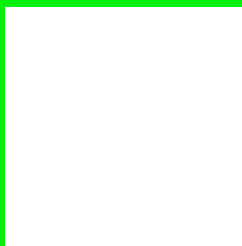
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 113.169, 136.286

Background



This preview shows how black text looks on a background with the CIELCh color 83, 113.169, 136.286.



This preview shows how white text looks on a background with the CIELCh color 83, 113.169, 136.286.

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, 113.312, 136.293

Protanopia

82, 83.066, 94.918

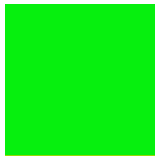
Deuteranopia

82, 68.528, 81.710



Tritanopia
83, 34.677, 213.388

Trichromacy



Original Color

83, 113.312, 136.293



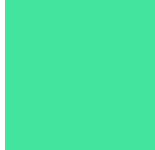
Protanomaly

80, 90.942, 120.942



Deuteranomaly

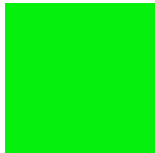
79, 78.104, 117.810



Tritanomaly

82, 61.944, 158.325

Monochromacy



Original Color

83, 113.312, 136.293



Achromatopsia

60, 0.008, 296.813



Achromatomaly

66, 54.724, 141.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 113.169, 136.286 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(6, 240, 14)` looks like.

```
.text, #text, p{  
    color:rgb(6, 240, 14)  
}
```

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(6, 240, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 240, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 113.169, 136.286 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(6, 240, 14) }
```

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

```
.border{ border-color:rgb(6, 240, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 240, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 240, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 240, 14);  
box-shadow:4px 4px 4px 4px rgb(6, 240, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 113.169, 136.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 240, 14) }
```

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

```
.background{ background-color: rgb(6, 240,  
14) }
```

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