

Converting Colors

CIELCh(84, 111.070, 135.732)

Have a look what the booklet for
CIELCh(84, 111.070, 135.732)
contains.

CIELCh(84, 111.185, 135.713)	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(84, 111.185, 135.713)

Conversions

Conversions Part 1

Format	Color
Hex	2EF21A
RGB	46, 242, 26
RGB Percent	18%, 95%, 10%
CMY	0.8208, 0.0515, 0.8990
CMYK	0.81, 0.00, 0.89, 0.05
HSL	114°, 89%, 52%
HSV	114°, 89%, 95%
XYZ	33.0059, 64.0658, 11.5878
YIQ	158.7720, -47.4800, -108.7280

Conversions

Conversions Part 2

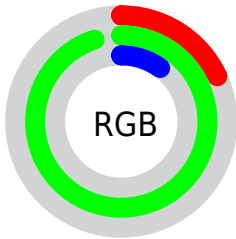
Format	Color
RYB	26, 242, 222
Decimal	3076634
CIELab	84.00, -79.59, 77.64
CIELCh	84, 111.185, 135.713
Yxy	64.0658, 0.3038, 0.5896
Android (android.graphics.Color)	4281266714 (0xFF2EF21A)
YUV	158.7720, -65.4566, -98.9010
Hunter-Lab	80.0411, -66.4653, 47.4452

Details

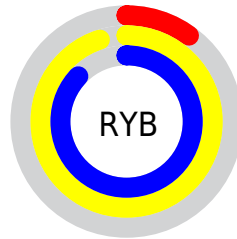
The CIELCh color **84, 111.185, 135.713** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 109.047, 324.813**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.175, 135.018**, and **65, 93.739, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 114.398, 135.691**, and if you desaturate by 10%, it is **84, 105.066, 136.064**.

Distribution



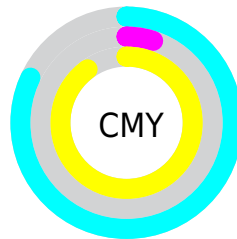
- Red (18%)
- Green (95%)
- Blue (10%)



- Red (10%)
- Yellow (95%)
- Blue (87%)



- Cyan (81%)
- Magenta (0%)
- Yellow (89%)
- Black (5%)





- Cyan (82%)
- Magenta (5%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 111.185, 135.713 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 84, 111.185, 135.713 by changing the saturation by 10% instead.


 84, 111.185,
135.713


 84, 111.185,
135.713


 100, 111.185,
135.713


 74, 111.185,
135.713


 64, 111.185,
135.713

 54, 111.185,
135.713

 44, 111.185,
135.713

 34, 111.185,
135.713

 24, 111.185,
135.713

 14, 111.185,

135.713

■ 4, 111.185,
135.713

■ 0, 111.185,
135.713

■ 84, 111.185,
135.713

■ 84, 111.185,
135.713

■ 84, 114.398,
135.691

■ 84, 105.066,
136.064

■ 84, 114.553,
135.686

■ 85, 96.111,
136.729

■ 86, 84.901,
137.572

■ 87, 72.068,
138.469

■ 88, 58.159,
139.337

■ 90, 43.609,
140.133

■ 91, 28.750,
140.838

■ 93, 13.833,
141.458

■ 96, 0.957, 321.676

Harmonies

Complementary

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



84, 111.185, 135.713



55, 109.047, 324.813

Rectangle

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



84, 111.185, 135.713



84, 111.185, 185.713



84, 111.185, 315.713



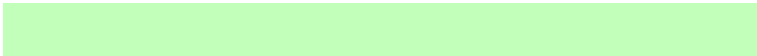
84, 111.185, 5.713

Sweetspot

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



84, 111.184, 135.714



94, 41.884, 140.302



87, 84.568, 96.706



50, 28.203, 140.046



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 111.184, 135.714



88, 119.257, 135.699



84, 88.791, 146.563



49, 8.342, 141.451



65, 93.052, 135.598



20, 38.898, 136.351

Inverse Universe

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



55, 109.047, 324.813



56, 116.281, 324.577



54, 83.008, 350.352



47, 8.368, 322.377



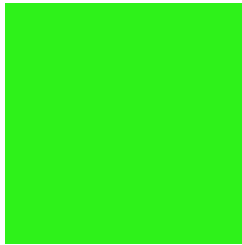
41, 90.839, 324.648



9, 39.610, 325.136

Previews

White Background



This preview shows how the CIELCh color 84, 111.185, 135.713 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 84, 111.185, 135.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

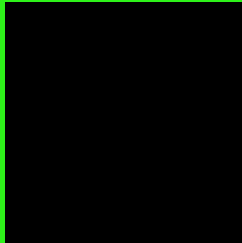
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 111.185, 135.713

Background



This preview shows how black text looks on a background with the CIELCh color 84, 111.185, 135.713.



This preview shows how white text looks on a background with the CIELCh color 84, 111.185, 135.713.

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

84, 111.185, 135.713

Protanopia

83, 83.142, 95.020

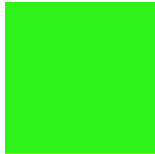
Deuteranopia

83, 60.663, 81.067



Tritanopia
84, 33.625, 213.948

Trichromacy



Original Color
84, 111.185, 135.713



Protanomaly
81, 88.757, 117.588

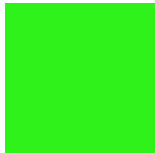


Deuteranomaly
81, 72.550, 115.657



Tritanomaly
83, 58.093, 158.383

Monochromacy



Original Color
84, 111.185, 135.713



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 49.900, 139.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 111.185, 135.713 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(46, 242, 26)` looks like.

```
.text, #text, p{  
    color:rgb(46, 242, 26)  
}
```

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(46, 242, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 242, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 111.185, 135.713 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(46, 242, 26) }
```

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

```
.border{ border-color:rgb(46, 242, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 242, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 242, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 242, 26);  
box-shadow:4px 4px 4px 4px rgb(46, 242,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 111.185, 135.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 242, 26) }
```

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

```
.background{ background-color: rgb(46, 242,  
26) }
```

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