

Converting Colors

CIELCh(83, 109.330, 135.816)

Have a look what the booklet for
CIELCh(83, 109.330, 135.816)
contains.

CIELCh(83, 109.548, 135.809)	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, 109.548, 135.809)

Conversions

Conversions Part 1

Format	Color
Hex	2EEF1C
RGB	46, 239, 28
RGB Percent	18%, 94%, 11%
CMY	0.8189, 0.0643, 0.8890
CMYK	0.81, 0.00, 0.88, 0.06
HSL	115°, 87%, 52%
HSV	115°, 88%, 94%
XYZ	32.0941, 62.1629, 11.4237
YIQ	157.2390, -47.2970, -106.5370

Conversions

Conversions Part 2

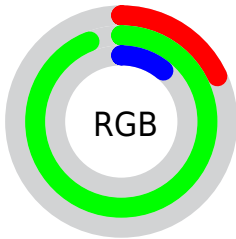
Format	Color
R_{YB}	28, 239, 221
Decimal	3075868
CIE _{Lab}	83.00, -78.55, 76.36
CIE _{LCh}	83, 109.548, 135.809
Yxy	62.1629, 0.3037, 0.5882
Android (android.graphics.Color)	4281265948 (0xFF2EEF1C)
YUV	157.2390, -63.7148, -97.5566
Hunter-Lab	78.8435, -65.3158, 46.5999

Details

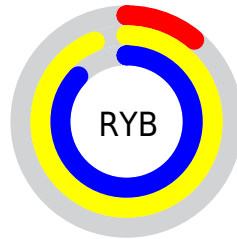
The CIELCh color **83, 109.548, 135.809** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54, 107.392, 325.089**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 88.980, 135.304**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 112.988, 135.738**, and if you desaturate by 10%, it is **83, 103.145, 136.234**.

Distribution



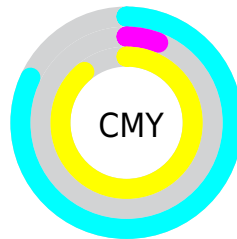
- Red (18%)
- Green (94%)
- Blue (11%)



- Red (11%)
- Yellow (94%)
- Blue (87%)



- Cyan (81%)
- Magenta (0%)
- Yellow (88%)
- Black (6%)





- Cyan (82%)
- Magenta (6%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 109.548, 135.809 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, 109.548, 135.809 by changing the saturation by 10% instead.


 83, 109.548,
135.809


 83, 109.548,
135.809


 100, 109.548,
135.809


 73, 109.548,
135.809

 63, 109.548,
135.809

 53, 109.548,
135.809

 43, 109.548,
135.809

 33, 109.548,
135.809

 23, 109.548,
135.809

 13, 109.548,

135.809

■ 3, 109.548,
135.809

■ 0, 109.548,
135.809

■ 83, 109.548,
135.809

■ 83, 109.548,
135.809

■ 83, 112.988,
135.738

■ 83, 103.145,
136.234

■ 83, 113.435,
135.720

■ 84, 93.988,
136.953

■ 85, 82.668,
137.830

■ 86, 69.804,
138.744

■ 87, 55.926,
139.617

■ 89, 41.451,
140.412

■ 91, 26.702,
141.114

■ 93, 11.921,
141.730

■ 95, 2.717, 322.124

Harmonies

Complementary

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



83, 109.548, 135.809



54, 107.392, 325.089

Rectangle

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



83, 109.548, 135.809



83, 109.548, 185.809



83, 109.548, 315.809



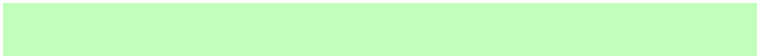
83, 109.548, 5.809

Sweetspot

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



83, 109.547, 135.810



95, 40.432, 140.563



86, 83.269, 96.810



50, 27.393, 140.304



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, 109.547, 135.810



88, 119.317, 135.736



83, 87.074, 146.837



49, 8.361, 141.651



65, 93.105, 135.640



20, 38.958, 136.466

Inverse Universe

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



54, 107.392, 325.089



57, 116.203, 324.861



53, 81.920, 350.017



47, 8.387, 322.585



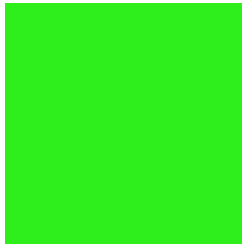
41, 90.780, 324.926



9, 39.590, 325.378

Previews

White Background



This preview shows how the CIELCh color 83, 109.548, 135.809 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, 109.548, 135.809 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, 109.548, 135.809

Background



This preview shows how black text looks on a background with the CIELCh color 83, 109.548, 135.809.



This preview shows how white text looks on a background with the CIELCh color 83, 109.548,

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, 109.759, 135.803

Protanopia

82, 81.632, 94.907

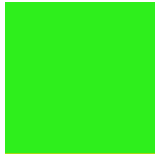
Deuteranopia

82, 68.154, 81.626



Tritanopia
83, 33.194, 214.222

Trichromacy



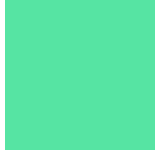
Original Color
83, 109.759, 135.803



Protanomaly
80, 87.165, 117.666



Deuteranomaly
80, 75.228, 114.051



Tritanomaly
82, 56.894, 158.710

Monochromacy



Original Color
83, 109.759, 135.803



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 49.346, 139.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 109.548, 135.809 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, 239, 28)` looks like.

```
.text, #text, p{  
    color:rgb(46, 239, 28)  
}
```

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, 239, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 239, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 109.548, 135.809 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, 239, 28) }
```

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

```
.border{ border-color:rgb(46, 239, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 239, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 239, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 239, 28);  
box-shadow:4px 4px 4px 4px rgb(46, 239,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 109.548, 135.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 239, 28) }
```

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

```
.background{ background-color: rgb(46, 239,  
28) }
```

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