

Converting Colors

CIELCh(83, 111.216, 135.002)

Have a look what the booklet for
CIELCh(83, 111.216, 135.002)
contains.

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Color

CIELCh(83, 111.350, 135.013)

Conversions

Conversions Part 1

Format	Color
Hex	30EF0A
RGB	48, 239, 10
RGB Percent	19%, 94%, 4%
CMY	0.8108, 0.0642, 0.9619
CMYK	0.80, 0.00, 0.96, 0.06
HSL	110°, 92%, 49%
HSV	110°, 96%, 94%
XYZ	32.0371, 62.1629, 10.5883
YIQ	155.7850, -40.3270, -111.7110

Conversions

Conversions Part 2

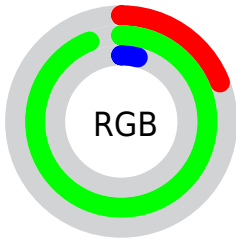
Format	Color
RYB	10, 239, 201
Decimal	3206922
CIELab	83.00, -78.75, 78.72
CIELCh	83, 111.350, 135.013
Yxy	62.1629, 0.3057, 0.5932
Android (android.graphics.Color)	4281397002 (0xFF30EF0A)
YUV	155.7850, -71.8720, -94.5274
Hunter-Lab	78.8435, -65.4447, 47.2281

Details


The CIELCh color **83, 111.350, 135.013** 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 **50, 110.605, 321.913**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.239, 134.210**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 112.541, 135.129**, and if you desaturate by 10%, it is **83, 106.912, 134.827**.

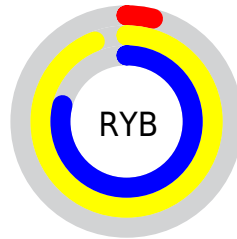
Distribution



 Red (19%)

 Green (94%)

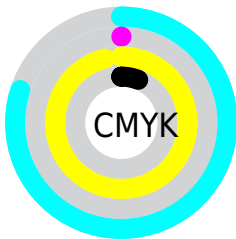
 Blue (4%)




 Red (4%)

 Yellow (94%)

 Blue (79%)

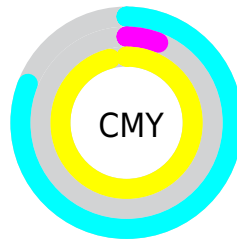


 Cyan (80%)

 Magenta (0%)

 Yellow (96%)

 Black (6%)



 Cyan (81%)


 Magenta (6%)


 Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 111.350, 135.013 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, 111.350, 135.013 by changing the saturation by 10% instead.


 83, 111.350,
135.013


 83, 111.350,
135.013


 100, 111.350,
135.013


 73, 111.350,
135.013


 63, 111.350,
135.013

 53, 111.350,
135.013

 43, 111.350,
135.013

 33, 111.350,
135.013

 23, 111.350,
135.013

 13, 111.350,

135.013

■ 3, 111.350,
135.013

■ 0, 111.350,
135.013

■ 83, 111.350,
135.013

■ 83, 111.350,
135.013

■ 83, 112.541,
135.129

■ 83, 106.912,
134.827

■ 84, 99.591,
135.033

■ 85, 89.786,
135.543

■ 86, 78.115,
136.223

■ 87, 65.165,
136.961

■ 88, 51.408,
137.685

■ 90, 37.203,
138.356

■ 91, 22.816,
138.959

■ 93, 8.443, 139.503

Harmonies

Complementary

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



83, 111.350, 135.013



50, 110.605, 321.913

Rectangle

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



83, 111.350, 135.013



83, 111.350, 185.013



83, 111.350, 315.013



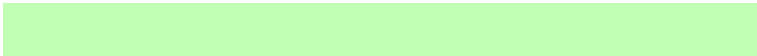
83, 111.350, 5.013

Sweetspot

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



83, 111.349, 135.014



94, 43.899, 138.150



81, 81.161, 89.637



50, 30.085, 137.861



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, 111.349, 135.014



88, 118.385, 135.156



83, 98.171, 142.103



49, 8.145, 139.314



65, 92.301, 134.995



20, 38.298, 135.153

Inverse Universe

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



50, 110.605, 321.913



53, 117.304, 321.713



53, 86.565, 345.645



47, 8.184, 320.165



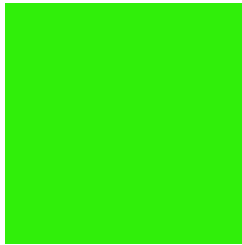
38, 91.613, 321.835



8, 39.876, 322.685

Previews

White Background



This preview shows how the CIELCh color 83, 111.350, 135.013 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, 111.350, 135.013 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, 111.350, 135.013

Background



This preview shows how black text looks on a background with the CIELCh color 83, 111.350, 135.013.



This preview shows how white text looks on a background with the CIELCh color 83, 111.350, 135.013.

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, 111.491, 135.036

Protanopia

82, 83.066, 94.918

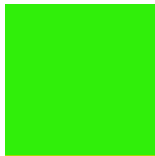
Deuteranopia

82, 68.528, 81.710



Tritanopia
83, 33.005, 214.333

Trichromacy



Original Color

83, 111.491, 135.036



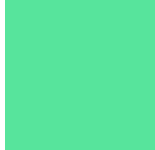
Protanomaly

81, 88.650, 117.045



Deuteranomaly

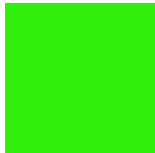
80, 77.238, 113.316



Tritanomaly

82, 59.358, 155.998

Monochromacy



Original Color

83, 111.491, 135.036



Achromatopsia

64, 0.008, 296.813



Achromatomaly

69, 51.822, 137.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 111.350, 135.013 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(48, 239, 10)` looks like.

```
.text, #text, p{  
    color:rgb(48, 239, 10)  
}
```

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(48, 239, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 239, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 111.350, 135.013 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(48, 239, 10) }
```

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

```
.border{ border-color:rgb(48, 239, 10) }
```

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

Here you see how a box with a 4 pixel rgb(48, 239, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 239, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 239, 10);  
box-shadow:4px 4px 4px 4px rgb(48, 239,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 111.350, 135.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 239, 10) }
```

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

```
.background{ background-color: rgb(48, 239,  
10) }
```

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](#).

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