

Converting Colors

CIELCh(83, 112.200, 134.781)

Have a look what the booklet for
CIELCh(83, 112.200, 134.781)
contains.

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Color

CIELCh(83, 112.245, 134.839)

Conversions

Conversions Part 1

Format	Color
Hex	2EEF00
RGB	46, 239, 0
RGB Percent	18%, 94%, 0%
CMY	0.8178, 0.0638, 1.0000
CMYK	0.81, 0.00, 1.00, 0.06
HSL	108°, 100%, 47%
HSV	108°, 100%, 94%
XYZ	31.9291, 62.1629, 10.2895
YIQ	154.0470, -38.3090, -115.2450

Conversions

Conversions Part 2

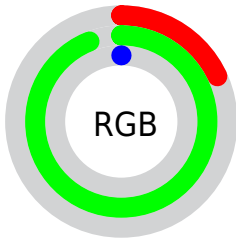
Format	Color
RYB	0, 239, 193
Decimal	3075840
CIELab	83.00, -79.15, 79.59
CIELCh	83, 112.245, 134.839
Yxy	62.1629, 0.3059, 0.5955
Android (android.graphics.Color)	4281265920 (0xFF2EEF00)
YUV	154.0470, -75.9452, -94.7572
Hunter-Lab	78.8435, -65.6893, 47.4528

Details

The CIELCh color **83, 112.245, 134.839** 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 **49, 112.000, 320.784**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.064, 134.096**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 112.183, 134.862**, and if you desaturate by 10%, it is **83, 108.598, 134.489**.

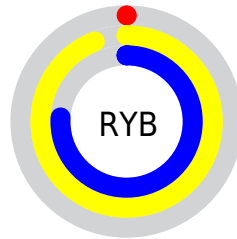
Distribution



Red (18%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (76%)

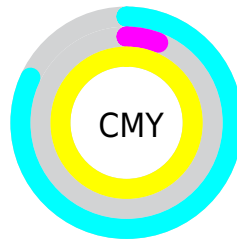


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (82%)


Magenta (6%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 112.245, 134.839 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, 112.245, 134.839 by changing the saturation by 10% instead.


 83, 112.245,
134.839


 83, 112.245,
134.839


 100, 112.245,
134.839


 73, 112.245,
134.839


 63, 112.245,
134.839

 53, 112.245,
134.839

 43, 112.245,
134.839

 33, 112.245,
134.839

 23, 112.245,
134.839

 13, 112.245,

134.839

■ 3, 112.245,
134.839

■ 0, 112.245,
134.839

■ 83, 112.245,
134.839

■ 83, 112.245,
134.839

■ 83, 112.183,
134.862

■ 83, 108.598,
134.489

■ 84, 102.352,
134.451

■ 84, 93.457,
134.775

■ 85, 82.481,
135.336

■ 86, 70.039,
136.008

■ 88, 56.644,
136.702

■ 89, 42.687,
137.366

■ 91, 28.460,
137.974

■ 92, 14.176,
138.520

Harmonies

Complementary

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



83, 112.245, 134.839



49, 112.000, 320.784

Rectangle

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



83, 112.245, 134.839



83, 112.245, 184.839



83, 112.245, 314.839



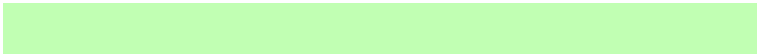
83, 112.245, 4.839

Sweetspot

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



83, 112.183, 134.862



94, 45.029, 137.359



79, 81.176, 87.590



50, 30.678, 137.084



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, 112.183, 134.862



88, 117.971, 134.893



83, 101.680, 140.806



49, 8.079, 138.547



65, 91.957, 134.712



20, 38.096, 134.732

Inverse Universe

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



49, 112.000, 320.784



52, 117.742, 320.759



53, 87.546, 345.245



47, 8.123, 319.377



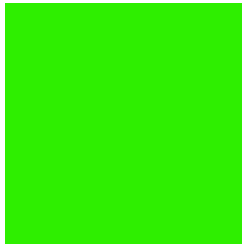
37, 91.944, 320.898



8, 39.968, 321.853

Previews

White Background



This preview shows how the CIELCh color 83, 112.245, 134.839 looks on a white background.

Color Contrast Check

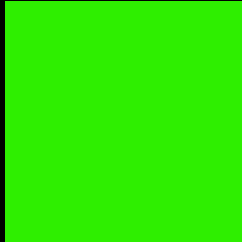
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 112.245, 134.839 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, 112.245, 134.839

Background



This preview shows how black text looks on a background with the CIELCh color 83, 112.245, 134.839.



This preview shows how white text looks on a background with the CIELCh color 83, 112.245, 134.839.

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, 112.313, 134.885

Protanopia

82, 83.066, 94.918

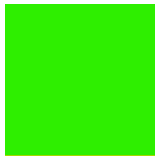
Deuteranopia

82, 68.528, 81.710



Tritanopia
83, 33.194, 214.222

Trichromacy



Original Color

83, 112.313, 134.885



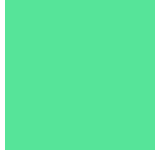
Protanomaly

80, 89.107, 117.209



Deuteranomaly

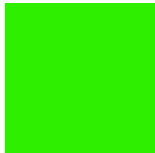
80, 78.148, 113.448



Tritanomaly

82, 60.655, 155.057

Monochromacy



Original Color

83, 112.313, 134.885



Achromatopsia

64, 0.008, 296.813



Achromatomaly

69, 53.795, 136.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 112.245, 134.839 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 239, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 239, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 112.245, 134.839 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, 0) }
```

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

```
.border{ border-color:rgb(46, 239, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 239, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 112.245, 134.839 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, 0) }
```

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

```
.background{ background-color: rgb(46, 239,  
0) }
```

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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