

Converting Colors

CIELCh(83, 112.128, 134.591)

Have a look what the booklet for
CIELCh(83, 112.128, 134.591)
contains.

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Color

CIELCh(83, 112.034, 134.696)

Conversions

Conversions Part 1

Format	Color
Hex	31EF00
RGB	49, 239, 0
RGB Percent	19%, 94%, 0%
CMY	0.8069, 0.0642, 1.0000
CMYK	0.79, 0.00, 1.00, 0.06
HSL	108°, 100%, 47%
HSV	108°, 100%, 94%
XYZ	32.0249, 62.1629, 10.2735
YIQ	154.9440, -36.5210, -114.6090

Conversions

Conversions Part 2

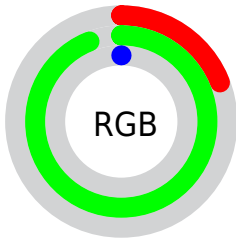
Format	Color
RYB	0, 239, 190
Decimal	3272448
CIELab	83.00, -78.80, 79.64
CIELCh	83, 112.034, 134.696
Yxy	62.1629, 0.3066, 0.5951
Android (android.graphics.Color)	4281462528 (0xFF31EF00)
YUV	154.9440, -76.3874, -92.9129
Hunter-Lab	78.8435, -65.4724, 47.4648

Details

The CIELCh color **83, 112.034, 134.696** 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 **48, 112.158, 320.364**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.757, 133.808**, and **64, 92.601, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 111.945, 134.728**, and if you desaturate by 10%, it is **83, 108.313, 134.312**.

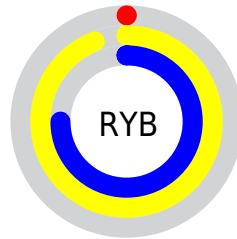
Distribution



Red (19%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (75%)

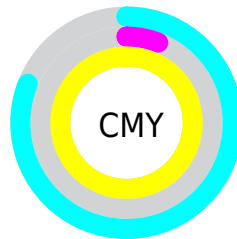


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (81%)


Magenta (6%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 112.034, 134.696 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, 112.034, 134.696 by changing the saturation by 10% instead.


 83, 112.034,
134.696


 83, 112.034,
134.696


 100, 112.034,
134.696


 73, 112.034,
134.696


 63, 112.034,
134.696

 53, 112.034,
134.696

 43, 112.034,
134.696

 33, 112.034,
134.696

 23, 112.034,
134.696

 13, 112.034,

134.696

■ 3, 112.034,
134.696

■ 0, 112.034,
134.696

■ 83, 112.034,
134.696

■ 83, 112.034,
134.696

■ 83, 111.945,
134.728

■ 83, 108.313,
134.312

■ 84, 102.040,
134.236

■ 85, 93.138,
134.527

■ 85, 82.176,
135.059

■ 86, 69.766,
135.709

■ 88, 56.416,
136.385

■ 89, 42.513,
137.036

■ 91, 28.345,
137.634

■ 92, 14.120,
138.172

Harmonies

Complementary

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



83, 112.034, 134.696



48, 112.158, 320.364

Rectangle

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



83, 112.034, 134.696



83, 112.034, 184.696



83, 112.034, 314.696



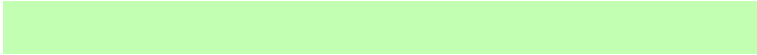
83, 112.034, 4.696

Sweetspot

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



83, 111.945, 134.728



94, 44.864, 137.029



78, 80.574, 86.100



50, 30.565, 136.759



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, 111.945, 134.728



88, 117.767, 134.761



83, 102.792, 140.322



49, 8.050, 138.199



65, 91.788, 134.571



20, 38.002, 134.532

Inverse Universe

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



48, 112.158, 320.364



52, 117.952, 320.338



53, 88.471, 344.003



47, 8.097, 319.021



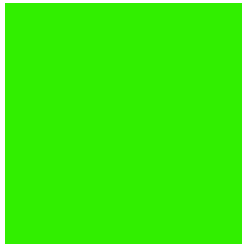
37, 92.103, 320.484



8, 40.001, 321.478

Previews

White Background



This preview shows how the CIELCh color 83, 112.034, 134.696 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, 112.034, 134.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

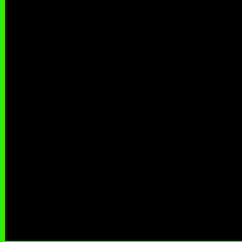
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 112.034, 134.696

Background



This preview shows how black text looks on a background with the CIELCh color 83, 112.034, 134.696.



This preview shows how white text looks on a background with the CIELCh color 83, 112.034, 134.696.

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, 112.106, 134.745

Protanopia

82, 83.066, 94.918

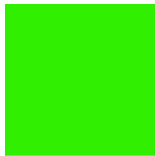
Deuteranopia

82, 68.528, 81.710



Tritanopia
83, 33.005, 214.333

Trichromacy



Original Color

83, 112.106, 134.745



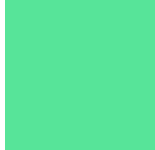
Protanomaly

81, 88.995, 116.966



Deuteranomaly

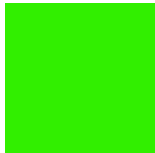
80, 78.067, 113.150



Tritanomaly

82, 60.499, 154.947

Monochromacy



Original Color

83, 112.106, 134.745



Achromatopsia

64, 0.008, 296.813



Achromatomaly

69, 52.985, 135.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 112.034, 134.696 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(49, 239, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 239, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 239, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 112.034, 134.696 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(49, 239, 0) }
```

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

```
.border{ border-color:rgb(49, 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(49, 239, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 239, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 83, 112.034, 134.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 239, 0) }
```

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

```
.background{ background-color: rgb(49, 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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