

Converting Colors

CIELCh(88, 116.530, 134.131)

Have a look what the booklet for
CIELCh(88, 116.530, 134.131)
contains.

CIELCh(88, 116.430, 134.110)	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(88, 116.430, 134.110)

Conversions

Conversions Part 1

Format	Color
Hex	41FE00
RGB	65, 254, 0
RGB Percent	25%, 100%, 0%
CMY	0.7446, 0.0036, 0.9987
CMYK	0.74, 0.00, 1.00, 0.00
HSL	105°, 100%, 50%
HSV	105°, 100%, 100%
XYZ	37.6586, 72.0653, 11.9339
YIQ	168.5330, -31.1100, -119.0620

Conversions

Conversions Part 2

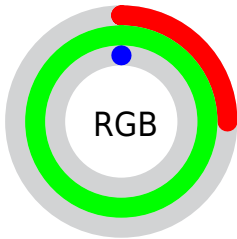
Format	Color
RYB	0, 254, 189
Decimal	4324864
CIELab	88.00, -81.04, 83.60
CIELCh	88, 116.430, 134.110
Yxy	72.0653, 0.3095, 0.5924
Android (android.graphics.Color)	4282514944 (0xFF41FE00)
YUV	168.5330, -83.0868, -90.7984
Hunter-Lab	84.8913, -69.3753, 51.0890

Details

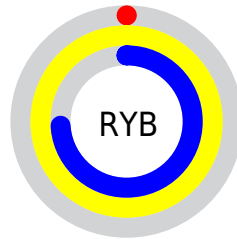
The CIELCh color **88, 116.430, 134.110** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **50, 118.544, 318.655**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 88.865, 132.331**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 116.473, 134.118**, and if you desaturate by 10%, it is **88, 112.520, 133.504**.

Distribution



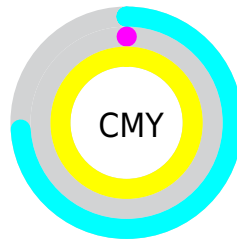
- Red (25%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (74%)



- Cyan (74%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 116.430, 134.110 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 88, 116.430, 134.110 by changing the saturation by 10% instead.


 88, 116.430,
134.110


 88, 116.430,
134.110


 100, 116.430,
134.110


 78, 116.430,
134.110


 68, 116.430,
134.110

 58, 116.430,
134.110


 48, 116.430,
134.110


 38, 116.430,
134.110


 28, 116.430,
134.110


 18, 116.430,


134.110


 8, 116.430,
134.110


 0, 116.430,
134.110


 88, 116.430,
134.110


 88, 116.430,
134.110

 88, 116.473,
134.118

 88, 112.520,
133.504

 89, 105.868,
133.270

 90, 96.518,
133.428

 91, 85.065,
133.852

■ 92, 72.144,
134.417

■ 93, 58.279,
135.028

■ 94, 43.863,
135.629

■ 96, 29.182,
136.192

■ 98, 14.443,
136.705

Harmonies

Complementary

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



88, 116.430, 134.110



50, 118.544, 318.655

Rectangle

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



88, 116.430, 134.110



88, 116.430, 184.110



88, 116.430, 314.110



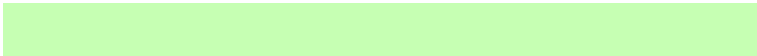
88, 116.430, 4.110

Sweetspot

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



88, 116.429, 134.111



95, 44.189, 135.621



80, 83.067, 81.430



50, 30.106, 135.371



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 116.429, 134.111



88, 116.793, 134.121



88, 111.210, 138.987



52, 8.347, 136.723



68, 93.840, 133.929



23, 41.758, 132.992

Inverse Universe

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



50, 118.544, 318.655



50, 118.905, 318.645



57, 96.006, 340.537



50, 8.405, 317.522



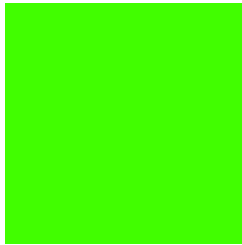
37, 95.699, 318.792



9, 43.805, 319.831

Previews

White Background



This preview shows how the CIELCh color 88, 116.430, 134.110 looks on a white background.

Color Contrast Check

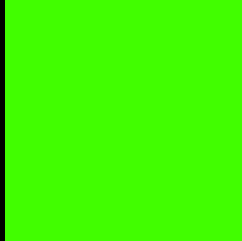
Large Text (above 18pt) WCAG AA × Fail

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 88, 116.430, 134.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

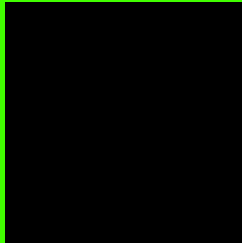
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 116.430, 134.110

Background



This preview shows how black text looks on a background with the CIELCh color 88, 116.430, 134.110.



This preview shows how white text looks on a background with the CIELCh color 88, 116.430, 134.110.

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

88, 116.430, 134.110

Protanopia

87, 87.310, 94.822

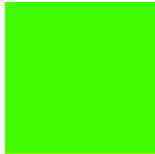
Deuteranopia

87, 38.818, 80.166



Tritanopia
88, 33.261, 215.022

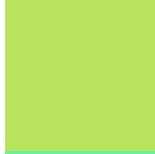
Trichromacy



Original Color
88, 116.430, 134.110



Protanomaly
86, 93.118, 115.953

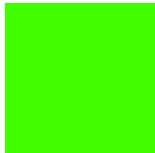


Deuteranomaly
85, 68.105, 118.881



Tritanomaly
87, 62.588, 153.527

Monochromacy



Original Color
88, 116.430, 134.110



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 55.192, 134.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 116.430, 134.110 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(65, 254, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 254, 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(65, 254, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 254, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 116.430, 134.110 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(65, 254, 0) }
```

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

```
.border{ border-color:rgb(65, 254, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 254, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 254, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 254, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 254, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 116.430, 134.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 254, 0) }
```

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

```
.background{ background-color: rgb(65, 254,  
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](#).

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