

Converting Colors

CIELCh(88, 113.003, 135.922)

Have a look what the booklet for
CIELCh(88, 113.003, 135.922)
contains.

CIELCh(88, 112.820, 135.931)	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, 112.820, 135.931)

Conversions

Conversions Part 1

Format	Color
Hex	3AFE28
RGB	58, 254, 40
RGB Percent	23%, 100%, 16%
CMY	0.7713, 0.0032, 0.8420
CMYK	0.77, 0.00, 0.84, 0.00
HSL	115°, 99%, 58%
HSV	115°, 84%, 100%
XYZ	37.6519, 72.0653, 13.9568
YIQ	171.0000, -48.1220, -108.1060

Conversions

Conversions Part 2

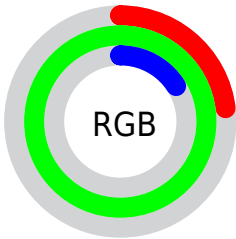
Format	Color
RYB	40, 254, 236
Decimal	3866152
CIELab	88.00, -81.06, 78.47
CIElCh	88, 112.820, 135.931
Yxy	72.0653, 0.3044, 0.5827
Android (android.graphics.Color)	4282056232 (0xFF3AFE28)
YUV	171.0000, -64.5830, -99.1010
Hunter-Lab	84.8913, -69.3894, 49.6761

Details

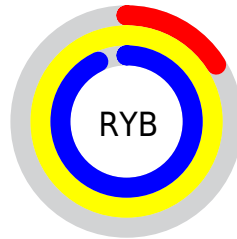
The CIELCh color **88, 112.820, 135.931** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59, 110.880, 325.140**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 84.307, 135.256**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 117.538, 135.740**, and if you desaturate by 10%, it is **89, 104.946, 136.484**.

Distribution



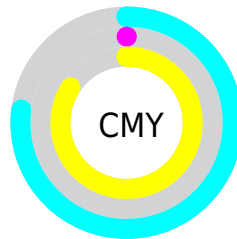
- Red (23%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (93%)



- Cyan (77%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 112.820, 135.931 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, 112.820, 135.931 by changing the saturation by 10% instead.


 88, 112.820,
135.931


 88, 112.820,
135.931


 100, 112.820,
135.931


 78, 112.820,
135.931


 68, 112.820,
135.931

 58, 112.820,
135.931

 48, 112.820,
135.931

 38, 112.820,
135.931

 28, 112.820,
135.931

 18, 112.820,

135.931

■ 8, 112.820,
135.931

■ 0, 112.820,
135.931

■ 88, 112.820,
135.931

■ 88, 112.820,
135.931

■ 88, 117.538,
135.740

■ 89, 104.946,
136.484

■ 88, 119.033,
135.738

■ 89, 94.375,
137.284

■ 90, 81.771,
138.191

■ 91, 67.762,
139.101

93, 52.862,
139.951

95, 37.474,
140.713

97, 21.906,
141.382

99, 6.384, 141.985

100, 0.513,
323.856

Harmonies

Complementary

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



88, 112.820, 135.931



59, 110.880, 325.140

Rectangle

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



88, 112.820, 135.931



88, 112.820, 185.931



88, 112.820, 315.931



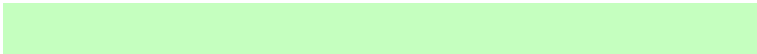
88, 112.820, 5.931

Sweetspot

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



88, 112.820, 135.932



95, 38.886, 140.652



91, 85.777, 97.117



50, 26.520, 140.392



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, 112.820, 135.932



88, 119.322, 135.739



88, 88.799, 147.614



52, 8.799, 141.665



68, 96.001, 135.658



23, 43.142, 135.612

Inverse Universe

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



59, 110.880, 325.140



57, 116.196, 324.885



58, 84.966, 349.102



50, 8.826, 322.606



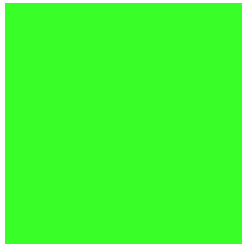
43, 93.577, 324.941



11, 43.013, 325.330

Previews

White Background



This preview shows how the CIELCh color 88, 112.820, 135.931 looks on a white background.

Color Contrast Check

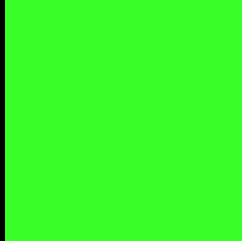
Large Text (above 18pt) WCAG AA × Fail

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 88, 112.820, 135.931 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, 112.820, 135.931

Background



This preview shows how black text looks on a background with the CIELCh color 88, 112.820, 135.931.

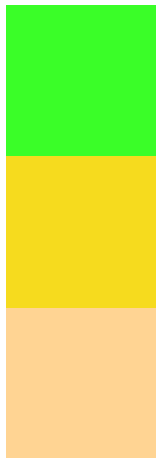


This preview shows how white text looks on a background with the CIELCh color 88, 112.820, 135.931.

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, 112.820, 135.931

Protanopia

87, 83.786, 95.083

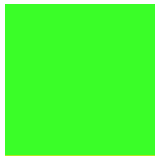
Deuteranopia

87, 38.355, 79.891



Tritanopia
88, 33.655, 214.789

Trichromacy



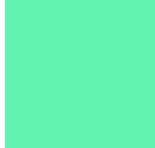
Original Color
88, 112.820, 135.931



Protanomaly
86, 89.504, 117.520

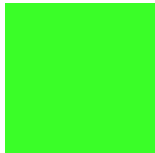


Deuteranomaly
85, 62.149, 121.739

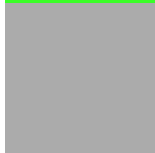


Tritanomaly
87, 57.659, 159.243

Monochromacy



Original Color
88, 112.820, 135.931



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 49.425, 139.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 112.820, 135.931 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(58, 254, 40)` looks like.

```
.text, #text, p{  
    color:rgb(58, 254, 40)  
}
```

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(58, 254, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 254, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 112.820, 135.931 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(58, 254, 40) }
```

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

```
.border{ border-color:rgb(58, 254, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 254, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 254, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 254, 40);  
box-shadow:4px 4px 4px 4px rgb(58, 254,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 112.820, 135.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 254, 40) }
```

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

```
.background{ background-color: rgb(58, 254,  
40) }
```

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