

Converting Colors

CIELCh(88, 118.333, 135.457)

Have a look what the booklet for
CIELCh(88, 118.333, 135.457)
contains.

CIELCh(88, 118.278, 135.451)	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, 118.278, 135.451)

Conversions

Conversions Part 1

Format	Color
Hex	26FF07
RGB	38, 255, 7
RGB Percent	15%, 100%, 3%
CMY	0.8492, 0.0000, 0.9738
CMYK	0.85, 0.00, 0.97, 0.00
HSL	112°, 100%, 51%
HSV	112°, 97%, 100%
XYZ	36.6673, 72.0653, 12.1685
YIQ	161.8450, -49.7240, -123.1320

Conversions

Conversions Part 2

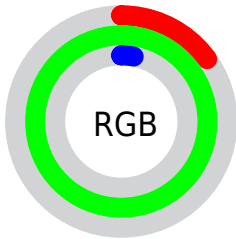
Format	Color
RYB	7, 255, 224
Decimal	2555655
CIELab	88.00, -84.29, 82.97
CIELCh	88, 118.278, 135.451
Yxy	72.0653, 0.3033, 0.5961
Android (android.graphics.Color)	4280745735 (0xFF26FF07)
YUV	161.8450, -76.3386, -108.6121
Hunter-Lab	84.8913, -71.4598, 50.9251

Details

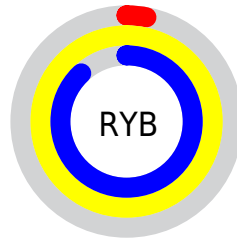
The CIELCh color **88, 118.278, 135.451** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **55, 116.167, 323.310**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.215, 134.607**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 118.908, 135.484**, and if you desaturate by 10%, it is **88, 114.252, 135.354**.

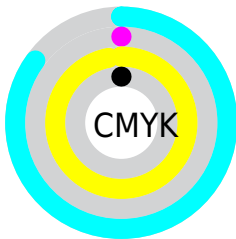
Distribution



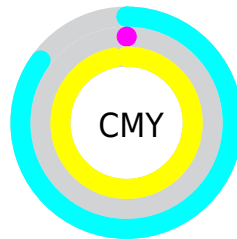
- Red (15%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (88%)



- Cyan (85%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 118.278, 135.451 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, 118.278, 135.451 by changing the saturation by 10% instead.


 88, 118.278,
135.451


 88, 118.278,
135.451


 100, 118.278,
135.451


 78, 118.278,
135.451


 68, 118.278,
135.451

 58, 118.278,
135.451

 48, 118.278,
135.451

 38, 118.278,
135.451

 28, 118.278,
135.451

 18, 118.278,

135.451

■ 8, 118.278,
135.451

■ 0, 118.278,
135.451

■ 88, 118.278,
135.451

■ 88, 118.278,
135.451

■ 88, 118.908,
135.484

■ 88, 114.252,
135.354

■ 89, 107.172,
135.638

■ 89, 97.284,
136.231

■ 90, 85.229,
136.996

■ 92, 71.656,
137.817

■ 93, 57.102,
138.614

■ 95, 41.985,
139.347

■ 96, 26.620,
140.001

■ 98, 11.241,
140.581

Harmonies

Complementary

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



88, 118.278, 135.451



55, 116.167, 323.310

Rectangle

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



88, 118.278, 135.451



88, 118.278, 185.451



88, 118.278, 315.451



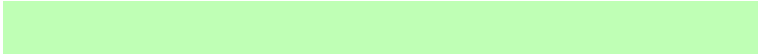
88, 118.278, 5.451

Sweetspot

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



88, 118.213, 135.451



94, 44.465, 139.233



89, 87.983, 93.483



50, 30.470, 138.924



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, 118.213, 135.451



88, 118.908, 135.484



88, 100.300, 143.467



52, 8.678, 140.462



68, 95.631, 135.374



23, 42.807, 135.011

Inverse Universe

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



55, 116.167, 323.310



55, 116.713, 323.218



56, 88.465, 349.971



50, 8.712, 321.356



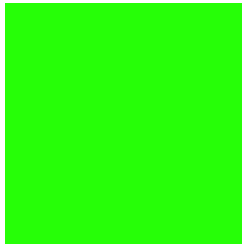
41, 93.982, 323.301



11, 43.165, 323.875

Previews

White Background



This preview shows how the CIELCh color 88, 118.278, 135.451 looks on a white background.

Color Contrast Check

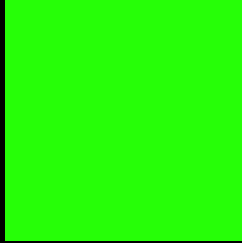
Large Text (above 18pt) WCAG AA × Fail

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, 118.278, 135.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

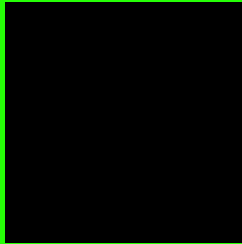
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 118.278, 135.451

Background



This preview shows how black text looks on a background with the CIELCh color 88, 118.278, 135.451.



This preview shows how white text looks on a background with the CIELCh color 88, 118.278, 135.451.

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, 118.216, 135.472

Protanopia

87, 87.243, 95.106

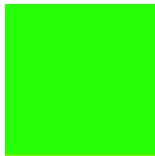
Deuteranopia

87, 39.060, 79.611



Tritanopia
88, 34.235, 214.454

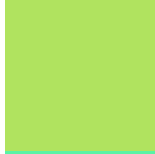
Trichromacy



Original Color
88, 118.216, 135.472



Protanomaly
85, 94.075, 118.268

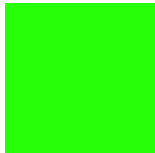


Deuteranomaly
84, 68.462, 122.210

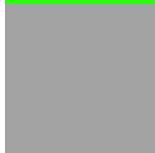


Tritanomaly
86, 63.509, 155.915

Monochromacy



Original Color
88, 118.216, 135.472



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 56.344, 138.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 118.278, 135.451 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(38, 255, 7)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 7)  
}
```

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(38, 255, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 118.278, 135.451 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(38, 255, 7) }
```

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

```
.border{ border-color:rgb(38, 255, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 7);  
box-shadow:4px 4px 4px 4px rgb(38, 255, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 118.278, 135.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 7) }
```

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

```
.background{ background-color: rgb(38, 255,  
7) }
```

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