

Converting Colors

CIELCh(88, 118.263, 135.079)

Have a look what the booklet for
CIELCh(88, 118.263, 135.079)
contains.

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Color

CIELCh(88, 118.263, 135.079)

Conversions

Conversions Part 1

Format	Color
Hex	2DFF00
RGB	45, 255, 0
RGB Percent	18%, 100%, 0%
CMY	0.8237, 0.0001, 1.0000
CMYK	0.82, 0.00, 1.00, 0.00
HSL	109°, 100%, 50%
HSV	109°, 100%, 100%
XYZ	36.8341, 72.0653, 11.9669
YIQ	163.1400, -43.3050, -123.8250

Conversions

Conversions Part 2

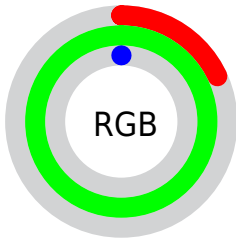
Format	Color
RYB	0, 255, 210
Decimal	3014400
CIELab	88.00, -83.74, 83.51
CIElCh	88, 118.263, 135.079
Yxy	72.0653, 0.3048, 0.5962
Android (android.graphics.Color)	4281204480 (0xFF2DFF00)
YUV	163.1400, -80.4280, -103.6088
Hunter-Lab	84.8913, -71.1091, 51.0659

Details

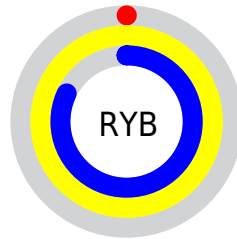
The CIELCh color **88, 118.263, 135.079** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **53, 117.428, 321.420**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.434, 133.900**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 118.261, 135.080**, and if you desaturate by 10%, it is **88, 114.689, 134.753**.

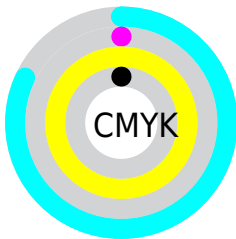
Distribution



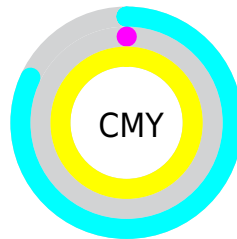
- Red (18%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (82%)



- Cyan (82%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 118.263, 135.079 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, 118.263, 135.079 by changing the saturation by 10% instead.


 88, 118.263,
135.079


 88, 118.263,
135.079


 100, 118.263,
135.079


 78, 118.263,
135.079


 68, 118.263,
135.079

 58, 118.263,
135.079

 48, 118.263,
135.079

 38, 118.263,
135.079

 28, 118.263,
135.079

 18, 118.263,

135.079

■ 8, 118.263,
135.079

■ 0, 118.263,
135.079

■ 88, 118.263,
135.079

■ 88, 118.263,
135.079

■ 88, 118.261,
135.080

■ 88, 114.689,
134.753

■ 89, 108.246,
134.764

■ 89, 98.951,
135.136

■ 90, 87.405,
135.740

■ 91, 74.264,
136.450

■ 93, 60.083,
137.176

■ 94, 45.287,
137.865

■ 96, 30.194,
138.492

■ 98, 15.038,
139.052

Harmonies

Complementary

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



88, 118.263, 135.079



53, 117.428, 321.420

Rectangle

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



88, 118.263, 135.079



88, 118.263, 185.079



88, 118.263, 315.079



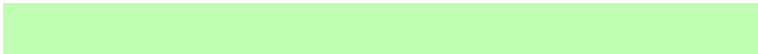
88, 118.263, 5.079

Sweetspot

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



88, 118.261, 135.080



94, 45.289, 137.865



85, 85.966, 88.996



50, 30.854, 137.581



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, 118.261, 135.080



88, 118.266, 135.080



88, 105.811, 141.241



52, 8.548, 139.079



68, 95.076, 134.938



23, 42.441, 134.332

Inverse Universe

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



53, 117.428, 321.420



53, 117.433, 321.420



56, 91.005, 346.611



50, 8.591, 319.929



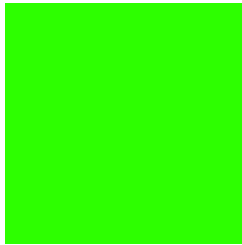
40, 94.546, 321.530



10, 43.376, 322.297

Previews

White Background



This preview shows how the CIE LCh color 88, 118.263, 135.079 looks on a white background.

Color Contrast Check

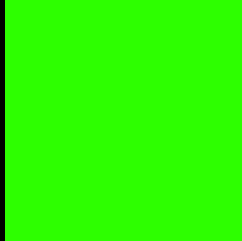
Large Text (above 18pt) WCAG AA × Fail

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, 118.263, 135.079 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, 118.263, 135.079

Background



This preview shows how black text looks on a background with the CIELCh color 88, 118.263, 135.079.



This preview shows how white text looks on a background with the CIELCh color 88, 118.263, 135.079.

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, 118.263, 135.079

Protanopia

87, 87.243, 95.106

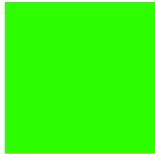
Deuteranopia

87, 38.818, 80.166



Tritanopia
88, 33.850, 214.675

Trichromacy



Original Color
88, 118.263, 135.079



Protanomaly
85, 93.997, 117.786

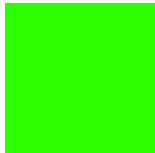


Deuteranomaly
85, 69.404, 121.242



Tritanomaly
87, 64.032, 154.540

Monochromacy



Original Color
88, 118.263, 135.079



Achromatopsia
67, 0.008, 296.813



Achromatomaly
73, 56.638, 136.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 118.263, 135.079 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(45, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 255, 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(45, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 118.263, 135.079 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(45, 255, 0) }
```

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

```
.border{ border-color:rgb(45, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 118.263, 135.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 255, 0) }
```

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

```
.background{ background-color: rgb(45, 255,  
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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