

Converting Colors

CIELCh(88, 118.392, 135.161)

Have a look what the booklet for
CIELCh(88, 118.392, 135.161)
contains.

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Color

CIELCh(88, 118.380, 135.153)

Conversions

Conversions Part 1	
Format	Color
Hex	2BFF00
RGB	43, 255, 0
RGB Percent	17%, 100%, 0%
CMY	0.8309, 0.0000, 0.9992
CMYK	0.83, 0.00, 1.00, 0.00
HSL	110°, 100%, 50%
HSV	110°, 100%, 100%
XYZ	36.7763, 72.0653, 11.9766
YIQ	162.5420, -44.4970, -124.2490

Conversions

Conversions Part 2

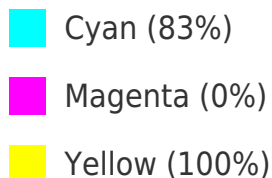
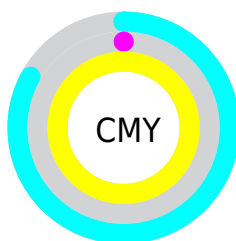
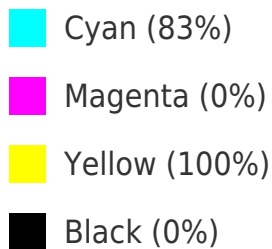
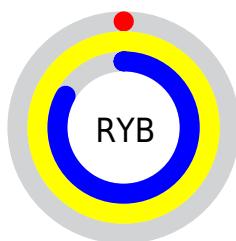
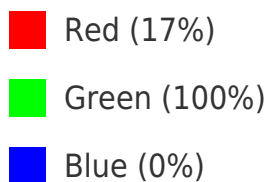
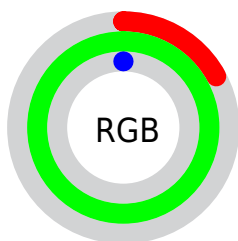
Format	Color
RYB	0, 255, 212
Decimal	2883328
CIELab	88.00, -83.93, 83.48
CIELCh	88, 118.380, 135.153
Yxy	72.0653, 0.3044, 0.5965
Android (android.graphics.Color)	4281073408 (0xFF2BFF00)
YUV	162.5420, -80.1332, -104.8383
Hunter-Lab	84.8913, -71.2306, 51.0592

Details

The CIELCh color **88, 118.380, 135.153** 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, 117.287, 321.713**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.589, 134.048**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 118.384, 135.155**, and if you desaturate by 10%, it is **88, 114.811, 134.857**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 118.380, 135.153 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, 118.380, 135.153 by changing the saturation by 10% instead.


 88, 118.380,
135.153


 88, 118.380,
135.153


 100, 118.380,
135.153


 78, 118.380,
135.153


 68, 118.380,
135.153

 58, 118.380,
135.153


 48, 118.380,
135.153


 38, 118.380,
135.153


 28, 118.380,
135.153


 18, 118.380,


135.153


 8, 118.380,
135.153


 0, 118.380,
135.153

 88, 118.380,
135.153


 88, 118.380,
135.153

 88, 118.384,
135.155

 88, 114.811,
134.857

 89, 108.369,
134.899

 89, 99.063,
135.297

 90, 87.498,
135.922

91, 74.329,
136.649

93, 60.113,
137.388

94, 45.279,
138.086

96, 30.146,
138.720

98, 14.952,
139.286

Harmonies

Complementary

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



88, 118.380, 135.153



53, 117.287, 321.713

Rectangle

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



88, 118.380, 135.153



88, 118.380, 185.153



88, 118.380, 315.153



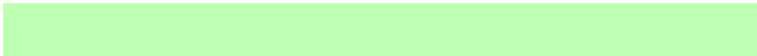
88, 118.380, 5.153

Sweetspot

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



88, 118.361, 135.153



94, 45.402, 138.081



85, 85.957, 89.008



50, 30.931, 137.793



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, 118.361, 135.153



88, 118.384, 135.155



88, 105.768, 141.256



52, 8.569, 139.308



68, 95.177, 135.018



23, 42.502, 134.448

Inverse Universe

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



53, 117.287, 321.713



53, 117.305, 321.709



56, 91.008, 346.593



50, 8.611, 320.165



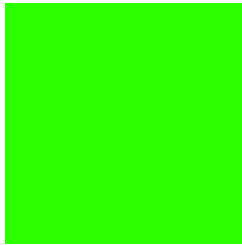
40, 94.446, 321.815



10, 43.338, 322.552

Previews

White Background



This preview shows how the CIELCh color 88, 118.380, 135.153 looks on a white background.

Color Contrast Check

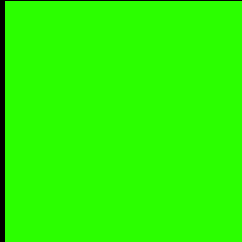
Large Text (above 18pt) WCAG AA × Fail

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, 118.380, 135.153 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

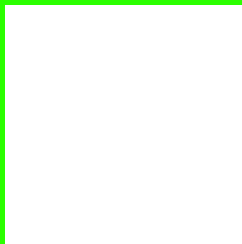
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 118.380, 135.153

Background



This preview shows how black text looks on a background with the CIELCh color 88, 118.380, 135.153.

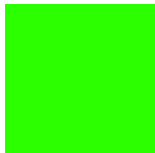


This preview shows how white text looks on a background with the CIELCh color 88, 118.380, 135.153.

Color Blindness Simulation

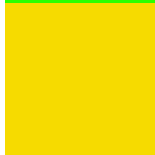
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

88, 118.380, 135.153



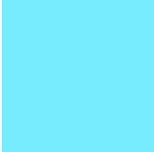
Protanopia

87, 87.243, 95.106



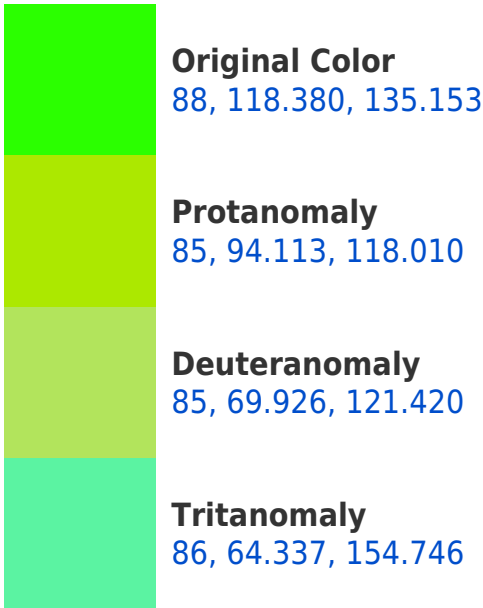
Deuteranopia

87, 39.282, 80.433

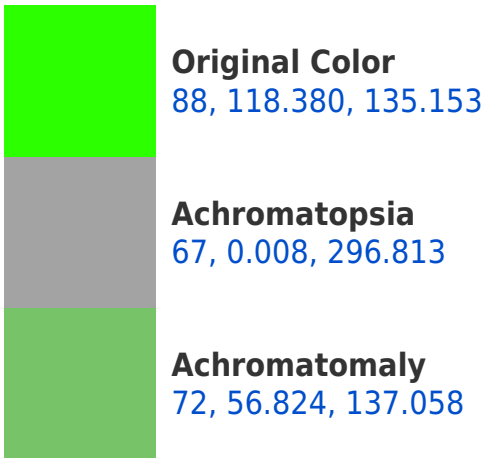


Tritanopia
88, 34.043, 214.563

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 118.380, 135.153 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(43, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 118.380, 135.153 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(43, 255, 0) }
```

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

```
.border{ border-color:rgb(43, 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(43, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 118.380, 135.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 255, 0) }
```

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

```
.background{ background-color: rgb(43, 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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