

Converting Colors

CIELCh(88, 116.077, 133.635)

Have a look what the booklet for
CIELCh(88, 116.077, 133.635)
contains.

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Color

CIELCh(88, 115.890, 133.744)

Conversions

Conversions Part 1

Format	Color
Hex	47FE00
RGB	71, 254, 0
RGB Percent	28%, 100%, 0%
CMY	0.7229, 0.0048, 1.0000
CMYK	0.72, 0.00, 1.00, 0.00
HSL	103°, 100%, 50%
HSV	103°, 100%, 100%
XYZ	37.9390, 72.0653, 11.8869
YIQ	170.3270, -27.5340, -117.7900

Conversions

Conversions Part 2

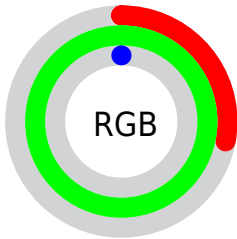
Format	Color
RYB	0, 254, 183
Decimal	4718080
CIELab	88.00, -80.13, 83.72
CIELCh	88, 115.890, 133.744
Yxy	72.0653, 0.3113, 0.5912
Android (android.graphics.Color)	4282908160 (0xFF47FE00)
YUV	170.3270, -83.9712, -87.1098
Hunter-Lab	84.8913, -68.7858, 51.1218

Details

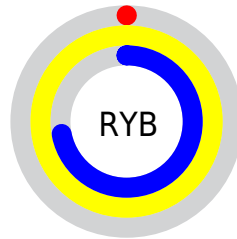
The CIELCh color **88, 115.890, 133.744** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **49, 118.962, 317.879**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 88.392, 131.829**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 115.840, 133.761**, and if you desaturate by 10%, it is **88, 111.893, 133.078**.

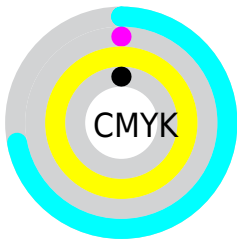
Distribution



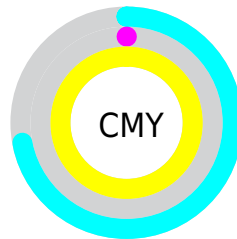
- Red (28%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (72%)



- Cyan (72%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 115.890, 133.744 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, 115.890, 133.744 by changing the saturation by 10% instead.


 88, 115.890,
133.744


 88, 115.890,
133.744


 100, 115.890,
133.744


 78, 115.890,
133.744


 68, 115.890,
133.744

 58, 115.890,
133.744

 48, 115.890,
133.744

 38, 115.890,
133.744

 28, 115.890,
133.744

 18, 115.890,

133.744

■ 8, 115.890,
133.744

■ 0, 115.890,
133.744

■ 88, 115.890,
133.744

■ 88, 115.890,
133.744

■ 88, 115.840,
133.761

■ 88, 111.893,
133.078

■ 89, 105.258,
132.774

■ 90, 95.958,
132.872

■ 91, 84.581,
133.248

■ 92, 71.757,
133.773

■ 93, 58.004,
134.356

■ 94, 43.708,
134.937

■ 96, 29.150,
135.485

■ 98, 14.529,
135.988

Harmonies

Complementary

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



88, 115.890, 133.744



49, 118.962, 317.879

Rectangle

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



88, 115.890, 133.744



88, 115.890, 183.744



88, 115.890, 313.744



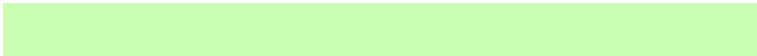
88, 115.890, 3.744

Sweetspot

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



88, 115.840, 133.761



95, 43.879, 134.937



79, 82.703, 79.823



50, 29.895, 134.694



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, 115.840, 133.761



88, 116.266, 133.764



87, 112.168, 138.592



52, 8.290, 136.012



68, 93.405, 133.559



23, 41.537, 132.535

Inverse Universe

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



49, 118.962, 317.879



49, 119.397, 317.877



57, 97.100, 339.457



50, 8.354, 316.801



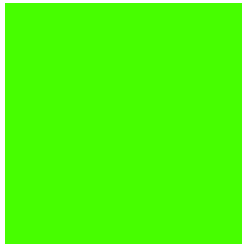
36, 96.084, 318.034



9, 43.949, 319.141

Previews

White Background



This preview shows how the CIE LCh color 88, 115.890, 133.744 looks on a white background.

Color Contrast Check

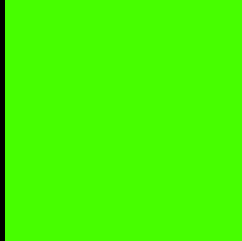
Large Text (above 18pt) WCAG AA × Fail

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, 115.890, 133.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

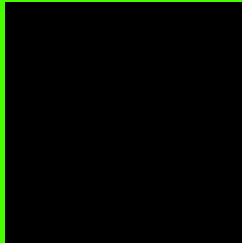
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 115.890, 133.744

Background



This preview shows how black text looks on a background with the CIELCh color 88, 115.890, 133.744.



This preview shows how white text looks on a background with the CIELCh color 88, 115.890, 133.744.

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, 115.890, 133.744

Protanopia

87, 87.310, 94.822

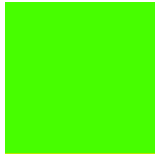
Deuteranopia

87, 38.818, 80.166



Tritanopia
88, 33.062, 215.142

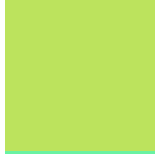
Trichromacy



Original Color
88, 115.890, 133.744



Protanomaly
86, 92.913, 115.483

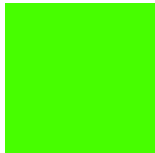


Deuteranomaly
85, 67.896, 118.243

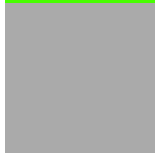


Tritanomaly
87, 61.548, 153.320

Monochromacy



Original Color
88, 115.890, 133.744



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 54.649, 133.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 115.890, 133.744 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(71, 254, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 254, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 254, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 115.890, 133.744 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(71, 254, 0) }
```

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

```
.border{ border-color:rgb(71, 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(71, 254, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 254, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 254, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 254, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 88, 115.890, 133.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 254, 0) }
```

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

```
.background{ background-color: rgb(71, 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](#).

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