

Converting Colors

CIELCh(93, 85.849, 119.371)

Have a look what the booklet for
CIELCh(93, 85.849, 119.371)
contains.

CIELCh(93, 86.029, 119.533)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(93, 86.029, 119.533)

Conversions

Conversions Part 1

Format	Color
Hex	C4FE4C
RGB	196, 254, 76
RGB Percent	77%, 100%, 30%
CMY	0.2323, 0.0048, 0.7029
CMYK	0.23, 0.00, 0.70, 0.00
HSL	80°, 99%, 65%
HSV	80°, 70%, 100%
XYZ	59.3743, 82.9670, 19.6799
YIQ	216.3660, 22.5700, -67.6540

Conversions

Conversions Part 2

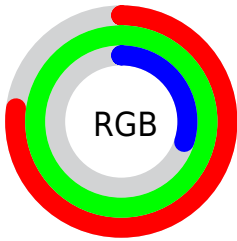
Format	Color
RYB	76, 254, 134
Decimal	12910156
CIELab	93.00, -42.41, 74.85
CIELCh	93, 86.029, 119.533
Yxy	82.9670, 0.3665, 0.5121
Android (android.graphics.Color)	4291100236 (0xFFC4FE4C)
YUV	216.3660, -69.2004, -17.8610
Hunter-Lab	91.0862, -43.0463, 50.9503

Details

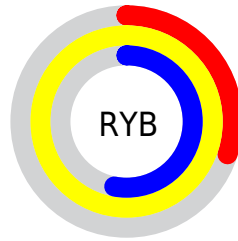
The CIELCh color **93, 86.029, 119.533** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **49, 101.386, 308.058**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 59.517, 105.622**, and **73, 84.187, 119.917** is the 20% darker color. If you saturate the color by 10%, you get **92, 94.108, 119.719**, and if you desaturate by 10%, it is **94, 76.015, 119.678**.

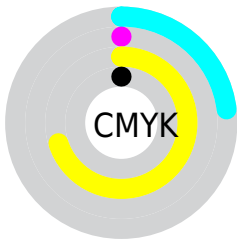
Distribution



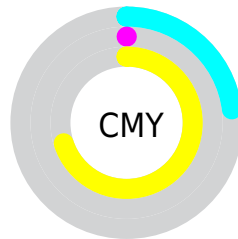
- Red (77%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (53%)



- Cyan (23%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 86.029, 119.533 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 93, 86.029, 119.533 by changing the saturation by 10% instead.

■ 93, 86.029,
119.533

■ 93, 86.029,
119.533

■ 100, 86.029,
119.533

■ 83, 86.029,
119.533

■ 73, 86.029,
119.533

■ 63, 86.029,
119.533

■ 53, 86.029,
119.533

■ 43, 86.029,
119.533

■ 33, 86.029,
119.533

■ 23, 86.029,

119.533

■ 13, 86.029,
119.533

■ 3, 86.029, 119.533

■ 93, 86.029,
119.533

■ 93, 86.029,
119.533

■ 92, 94.108,
119.719

■ 94, 76.015,
119.678

■ 92, 99.710,
120.347

■ 94, 64.658,
120.037

■ 91, 102.870,
121.401

■ 95, 52.434,
120.521

■ 96, 39.682,
121.070

97, 26.628,
121.643

98, 13.425,
122.216

100, 0.177,
123.152

100, 0.764,
324.063

Harmonies

Complementary

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



93, 86.029, 119.533



49, 101.386, 308.058

Rectangle

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



93, 86.029, 119.533



93, 86.029, 169.533



93, 86.029, 299.533



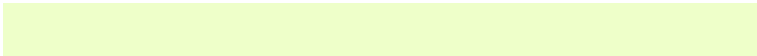
93, 86.029, 349.533

Sweetspot

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



93, 86.030, 119.535



98, 27.862, 121.594



68, 65.747, 50.123



52, 18.841, 121.435



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 86.030, 119.535



93, 96.946, 119.905



89, 98.555, 134.988



53, 7.555, 122.252



71, 83.010, 121.142



24, 37.218, 119.706

Inverse Universe

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



49, 101.386, 308.058



41, 118.562, 308.741



60, 99.851, 321.888



49, 7.695, 303.311



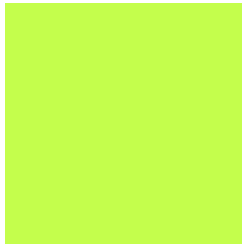
26, 104.148, 308.655



5, 44.798, 308.325

Previews

White Background



This preview shows how the CIELCh color 93, 86.029, 119.533 looks on a white background.

Color Contrast Check

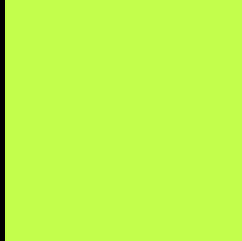
Large Text (above 18pt) WCAG AA × Fail

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 93, 86.029, 119.533 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 93, 86.029, 119.533

Background



This preview shows how black text looks on a background with the CIELCh color 93, 86.029, 119.533.

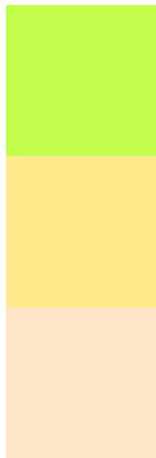


This preview shows how white text looks on a background with the CIELCh color 93, 86.029, 119.533.

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
93, 86.029, 119.533

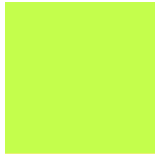
Protanopia
93, 48.330, 96.108

Deuteranopia
93, 18.171, 77.378

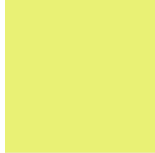


Tritanopia
93, 11.320, 254.563

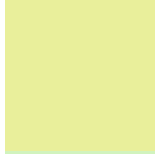
Trichromacy



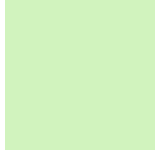
Original Color
93, 86.029, 119.533



Protanomaly
92, 61.316, 108.340



Deuteranomaly
92, 42.562, 109.963

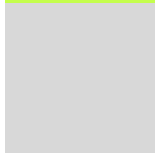


Tritanomaly
92, 29.986, 132.874

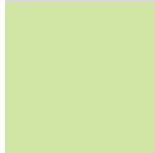
Monochromacy



Original Color
93, 86.029, 119.533



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 34.371, 121.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 86.029, 119.533 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(196, 254, 76)` looks like.

```
.text, #text, p{  
    color:rgb(196, 254, 76)  
}
```

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(196, 254, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 254, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 86.029, 119.533 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(196, 254, 76) }
```

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

```
.border{ border-color:rgb(196, 254, 76) }
```

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

Here you see how a box with a 4 pixel rgb(196, 254, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 254, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 254, 76);  
box-shadow:4px 4px 4px 4px rgb(196, 254,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 86.029, 119.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 254, 76) }
```

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

```
.background{ background-color: rgb(196,  
254, 76) }
```

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