

Converting Colors

CIELCh(93, 87.545, 121.940)

Have a look what the booklet for
CIELCh(93, 87.545, 121.940)
contains.

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Color

CIELCh(93, 87.259, 121.867)

Conversions

Conversions Part 1

Format	Color
Hex	BBFF4D
RGB	187, 255, 77
RGB Percent	73%, 100%, 30%
CMY	0.2649, 0.0000, 0.6962
CMYK	0.26, 0.00, 0.70, 0.00
HSL	83°, 100%, 65%
HSV	83°, 70%, 100%
XYZ	57.8610, 82.9670, 20.0712
YIQ	214.3760, 16.6100, -69.7740

Conversions

Conversions Part 2

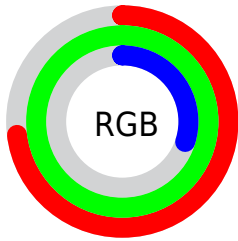
Format	Color
RYB	77, 255, 145
Decimal	12320589
CIELab	93.00, -46.07, 74.11
CIELCh	93, 87.259, 121.867
Yxy	82.9670, 0.3596, 0.5156
Android (android.graphics.Color)	4290510669 (0xFFBBFF4D)
YUV	214.3760, -67.7264, -24.0088
Hunter-Lab	91.0862, -46.0118, 50.6956

Details

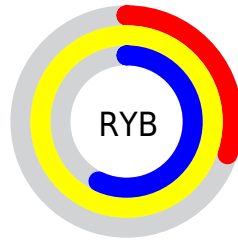
The CIELCh color **93, 87.259, 121.867** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **50, 100.733, 309.336**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 59.152, 108.764**, and **73, 85.827, 122.212** is the 20% darker color. If you saturate the color by 10%, you get **92, 95.492, 122.015**, and if you desaturate by 10%, it is **94, 76.712, 121.928**.

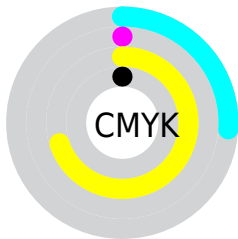
Distribution



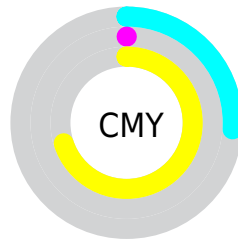
- Red (73%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (57%)



- Cyan (26%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 87.259, 121.867 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, 87.259, 121.867 by changing the saturation by 10% instead.


 93, 87.259,
121.867


 93, 87.259,
121.867


 100, 87.259,
121.867


 83, 87.259,
121.867

 73, 87.259,
121.867

 63, 87.259,
121.867

 53, 87.259,
121.867

 43, 87.259,
121.867

 33, 87.259,
121.867

 23, 87.259,

121.867

■ 13, 87.259,
121.867

■ 3, 87.259, 121.867

■ 93, 87.259,
121.867

■ 93, 87.259,
121.867

■ 92, 95.492,
122.015

■ 94, 76.712,
121.928

■ 92, 101.484,
122.677

■ 94, 65.064,
122.263

■ 91, 105.017,
123.806

■ 95, 52.578,
122.721

■ 91, 105.132,
123.851

■ 96, 39.586,
123.238

■ 98, 26.312,
123.775

■ 99, 12.909,
124.307

100, 0.012,
296.813

Harmonies

Complementary

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



93, 87.259, 121.867



50, 100.733, 309.336

Rectangle

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



93, 87.259, 121.867



93, 87.259, 171.867



93, 87.259, 301.867



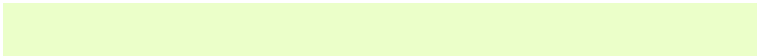
93, 87.259, 351.867

Sweetspot

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



93, 87.051, 121.805



97, 28.152, 123.701



70, 64.265, 54.343



52, 19.040, 123.552



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, 87.051, 121.805



92, 98.441, 122.243



89, 99.590, 135.978



53, 7.628, 124.314



70, 84.493, 123.572



24, 37.771, 122.042

Inverse Universe

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



50, 100.733, 309.336



43, 117.653, 309.807



61, 99.846, 323.477



49, 7.759, 305.283



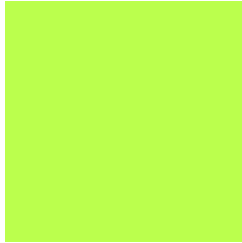
27, 103.075, 309.503



5, 44.876, 309.688

Previews

White Background



This preview shows how the CIELCh color 93, 87.259, 121.867 looks on a white background.

Color Contrast Check

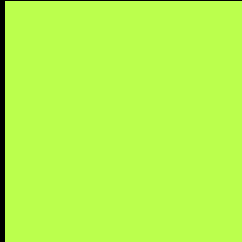
Large Text (above 18pt) WCAG AA × Fail

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 93, 87.259, 121.867 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, 87.259, 121.867

Background



This preview shows how black text looks on a background with the CIELCh color 93, 87.259, 121.867.

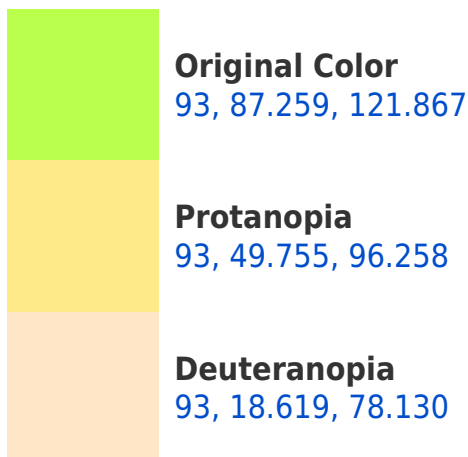


This preview shows how white text looks on a background with the CIELCh color 93, 87.259, 121.867.

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](#).

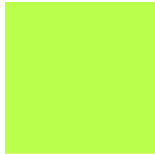
Dichromacy



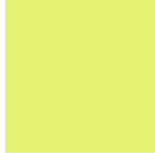


Tritanopia
93, 12.166, 245.398

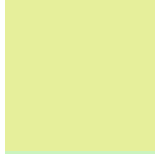
Trichromacy



Original Color
93, 87.259, 121.867



Protanomaly
92, 62.732, 109.672

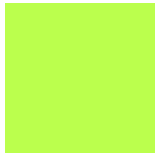


Deuteranomaly
92, 42.652, 111.543

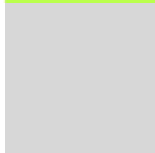


Tritanomaly
92, 31.611, 136.506

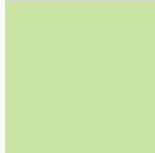
Monochromacy



Original Color
93, 87.259, 121.867



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 34.791, 123.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 87.259, 121.867 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(187, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 77)  
}
```

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(187, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 87.259, 121.867 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(187, 255, 77) }
```

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

```
.border{ border-color:rgb(187, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 87.259, 121.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 77) }
```

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

```
.background{ background-color: rgb(187,  
255, 77) }
```

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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