

Converting Colors

CIELCh(93, 92.686, 118.815)

Have a look what the booklet for
CIELCh(93, 92.686, 118.815)
contains.

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Color

CIELCh(93, 92.869, 118.961)

Conversions

Conversions Part 1

Format	Color
Hex	C1FF37
RGB	193, 255, 55
RGB Percent	76%, 100%, 22%
CMY	0.2440, 0.0008, 0.7853
CMYK	0.24, 0.00, 0.79, 0.00
HSL	79°, 100%, 61%
HSV	79°, 79%, 100%
XYZ	58.3127, 82.9670, 16.5220
YIQ	213.6620, 27.2480, -75.3440

Conversions

Conversions Part 2

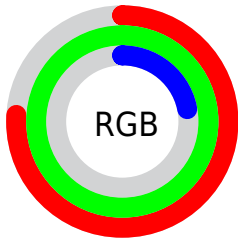
Format	Color
RYB	55, 255, 117
Decimal	12713783
CIELab	93.00, -44.97, 81.26
CIELCh	93, 92.869, 118.961
Yxy	82.9670, 0.3695, 0.5258
Android (android.graphics.Color)	4290903863 (0xFFC1FF37)
YUV	213.6620, -78.2204, -18.1206
Hunter-Lab	91.0862, -45.1266, 53.0058

Details

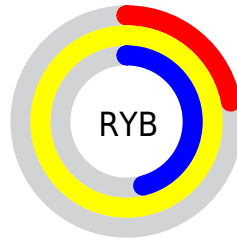
The CIELCh color **93, 92.869, 118.961** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **44, 112.672, 308.232**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 66.605, 105.782**, and **73, 85.136, 121.054** is the 20% darker color. If you saturate the color by 10%, you get **92, 98.846, 119.490**, and if you desaturate by 10%, it is **94, 84.472, 118.856**.

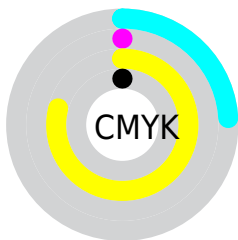
Distribution



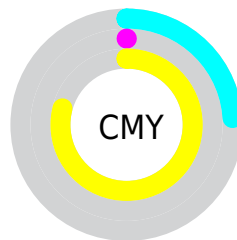
- Red (76%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (46%)



- Cyan (24%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 92.869, 118.961 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, 92.869, 118.961 by changing the saturation by 10% instead.


 93, 92.869,
118.961


 93, 92.869,
118.961


 100, 92.869,
118.961


 83, 92.869,
118.961

 73, 92.869,
118.961

 63, 92.869,
118.961

 53, 92.869,
118.961

 43, 92.869,
118.961

 33, 92.869,
118.961

 23, 92.869,

118.961

■ 13, 92.869,
118.961

■ 3, 92.869, 118.961

■ 93, 92.869,
118.961

■ 93, 92.869,
118.961

■ 92, 98.846,
119.490

■ 94, 84.472,
118.856

■ 92, 102.255,
120.485

■ 94, 74.226,
119.055

■ 92, 102.658,
120.648

■ 95, 62.714,
119.451

■ 96, 50.394,
119.962

■ 97, 37.584,
120.529

■ 98, 24.497,
121.117

■ 99, 11.277,
121.701

100, 0.138,
322.206

Harmonies

Complementary

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



93, 92.869, 118.961



44, 112.672, 308.232

Rectangle

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



93, 92.869, 118.961



93, 92.869, 168.961



93, 92.869, 298.961



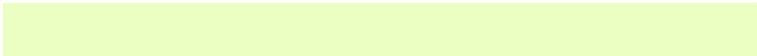
93, 92.869, 348.961

Sweetspot

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



93, 92.869, 118.963



97, 31.721, 120.794



65, 75.863, 48.683



52, 21.757, 120.585



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, 92.869, 118.963



92, 101.053, 119.986



89, 106.399, 134.373



53, 7.535, 121.644



71, 82.598, 120.393



24, 37.066, 118.995

Inverse Universe

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



44, 112.672, 308.232



37, 126.885, 308.469



56, 107.803, 321.339



49, 7.678, 302.733



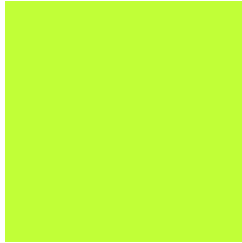
26, 104.443, 308.436



5, 44.771, 307.943

Previews

White Background



This preview shows how the CIELCh color 93, 92.869, 118.961 looks on a white background.

Color Contrast Check

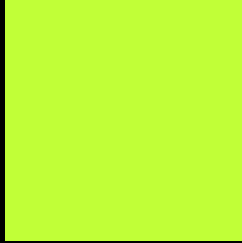
Large Text (above 18pt) WCAG AA × Fail

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, 92.869, 118.961 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, 92.869, 118.961

Background



This preview shows how black text looks on a background with the CIELCh color 93, 92.869, 118.961.

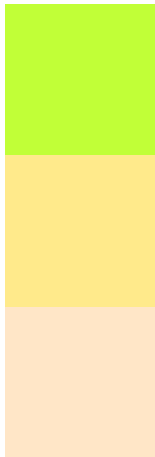


This preview shows how white text looks on a background with the CIELCh color 93, 92.869, 118.961.

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

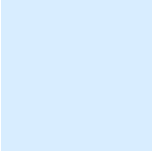
93, 92.869, 118.961

Protanopia

93, 48.805, 96.160

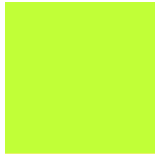
Deuteranopia

93, 18.619, 78.130

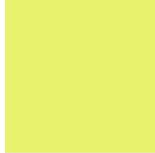


Tritanopia
93, 11.509, 253.219

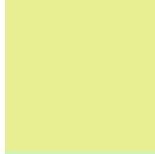
Trichromacy



Original Color
93, 92.869, 118.961



Protanomaly
92, 65.706, 108.538

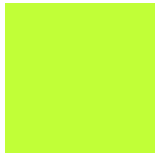


Deuteranomaly
92, 46.468, 109.893

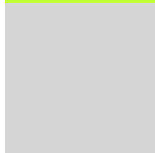


Tritanomaly
92, 33.863, 130.468

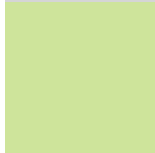
Monochromacy



Original Color
93, 92.869, 118.961



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 38.429, 119.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 92.869, 118.961 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(193, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 55)  
}
```

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(193, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 92.869, 118.961 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(193, 255, 55) }
```

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

```
.border{ border-color:rgb(193, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 92.869, 118.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 55) }
```

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

```
.background{ background-color: rgb(193,  
255, 55) }
```

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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