

Converting Colors

CIELCh(94, 77.872, 119.956)

Have a look what the booklet for
CIELCh(94, 77.872, 119.956)
contains.

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Color

CIELCh(94, 77.930, 119.866)

Conversions

Conversions Part 1

Format	Color
Hex	CBFF62
RGB	203, 255, 98
RGB Percent	80%, 100%, 38%
CMY	0.2031, 0.0000, 0.6148
CMYK	0.20, 0.00, 0.61, 0.00
HSL	80°, 100%, 69%
HSV	80°, 61%, 100%
XYZ	62.7317, 85.2715, 24.7599
YIQ	221.5540, 19.4050, -59.8510

Conversions

Conversions Part 2

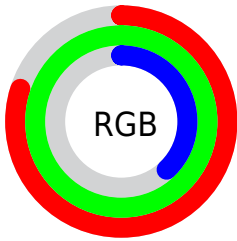
Format	Color
RYB	98, 255, 150
Decimal	13369186
CIELab	94.00, -38.81, 67.58
CIELCh	94, 77.930, 119.866
Yxy	85.2715, 0.3631, 0.4936
Android (android.graphics.Color)	4291559266 (0xFFCBFF62)
YUV	221.5540, -60.9121, -16.2719
Hunter-Lab	92.3426, -40.3380, 48.7423

Details

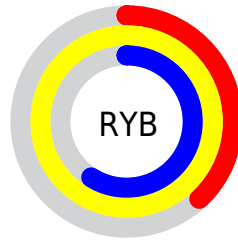
The CIELCh color **94, 77.930, 119.866** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **55, 89.377, 307.506**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 50.222, 106.336**, and **74, 77.882, 119.935** is the 20% darker color. If you saturate the color by 10%, you get **93, 87.666, 119.726**, and if you desaturate by 10%, it is **95, 66.559, 120.161**.

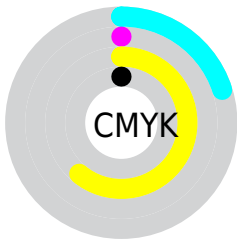
Distribution



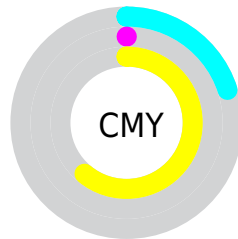
- Red (80%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (59%)



- Cyan (20%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 77.930, 119.866 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 94, 77.930, 119.866 by changing the saturation by 10% instead.

 94, 77.930,
119.866

 94, 77.930,
119.866

 100, 77.930,
119.866

 84, 77.930,
119.866

 74, 77.930,
119.866

 64, 77.930,
119.866

 54, 77.930,
119.866

 44, 77.930,
119.866

 34, 77.930,
119.866

 24, 77.930,

119.866

■ 14, 77.930,
119.866

■ 4, 77.930, 119.866

■ 94, 77.930,
119.866

■ 94, 77.930,
119.866

■ 93, 87.666,
119.726

■ 95, 66.559,
120.161

■ 93, 95.481,
119.970

■ 96, 54.368,
120.629

■ 92, 100.761,
120.670

■ 96, 41.610,
121.170

■ 92, 103.394,
121.610

■ 98, 28.524,
121.738

■ 99, 15.272,
122.308

■ 100, 1.964,
122.891

■ 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.



94, 77.930, 119.866



55, 89.377, 307.506

Rectangle

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



94, 77.930, 119.866



94, 77.930, 169.866



94, 77.930, 299.866



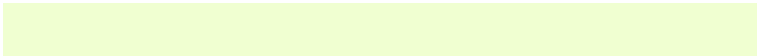
94, 77.930, 349.866

Sweetspot

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



94, 77.824, 119.829



98, 23.918, 121.937



72, 56.322, 50.325



52, 16.609, 121.771



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



94, 77.824, 119.829



93, 89.846, 119.750



90, 89.068, 135.484



53, 7.560, 122.420



71, 83.126, 121.346



24, 37.260, 119.901

Inverse Universe

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



55, 89.377, 307.506



47, 106.895, 308.407



64, 90.496, 321.770



49, 7.700, 303.471



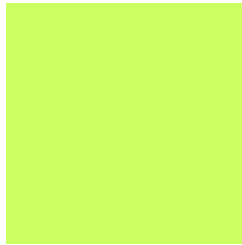
26, 104.065, 308.718



5, 44.806, 308.432

Previews

White Background



This preview shows how the CIELCh color 94, 77.930, 119.866 looks on a white background.

Color Contrast Check

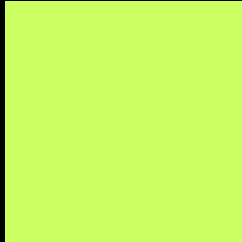
Large Text (above 18pt) WCAG AA × Fail

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 94, 77.930, 119.866 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 94, 77.930, 119.866

Background



This preview shows how black text looks on a background with the CIELCh color 94, 77.930, 119.866.

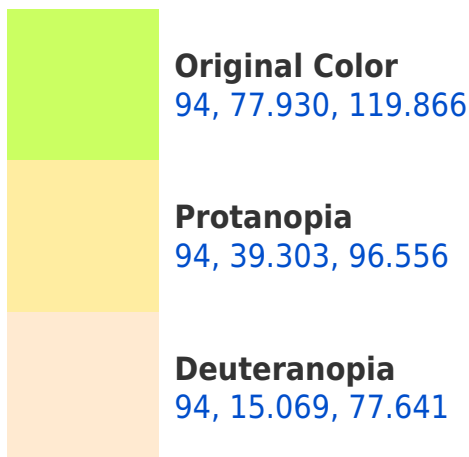


This preview shows how white text looks on a background with the CIELCh color 94, 77.930, 119.866.

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](#).

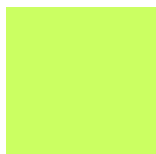
Dichromacy



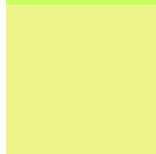


Tritanopia
94, 9.414, 260.592

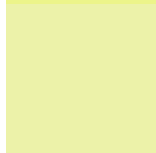
Trichromacy



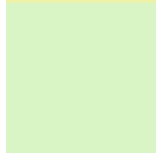
Original Color
94, 77.930, 119.866



Protanomaly
94, 53.003, 109.462



Deuteranomaly
94, 37.075, 110.854

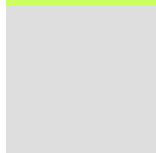


Tritanomaly
94, 26.212, 131.496

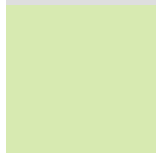
Monochromacy



Original Color
94, 77.930, 119.866



Achromatopsia
88, 0.011, 296.813



Achromatomaly
90, 30.151, 121.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 77.930, 119.866 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(203, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 98)  
}
```

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(203, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 77.930, 119.866 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(203, 255, 98) }
```

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

```
.border{ border-color:rgb(203, 255, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 77.930, 119.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 98) }
```

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

```
.background{ background-color: rgb(203,  
255, 98) }
```

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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