

Converting Colors

CIELCh(94, 76.078, 119.495)

Have a look what the booklet for
CIELCh(94, 76.078, 119.495)
contains.

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Color

CIELCh(94, 76.169, 119.720)

Conversions

Conversions Part 1

Format	Color
Hex	CDFF66
RGB	205, 255, 102
RGB Percent	80%, 100%, 40%
CMY	0.1970, 0.0009, 0.6009
CMYK	0.20, 0.00, 0.60, 0.00
HSL	80°, 100%, 70%
HSV	80°, 60%, 100%
XYZ	63.1847, 85.2715, 25.6407
YIQ	222.6080, 19.3130, -58.1830

Conversions

Conversions Part 2

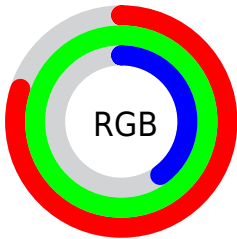
Format	Color
RYB	102, 255, 152
Decimal	13500262
CIELab	94.00, -37.76, 66.15
CIElCh	94, 76.169, 119.720
Yxy	85.2715, 0.3629, 0.4898
Android (android.graphics.Color)	4291690342 (0xFFCDDFF66)
YUV	222.6080, -59.4597, -15.4422
Hunter-Lab	92.3426, -39.4624, 48.1768

Details

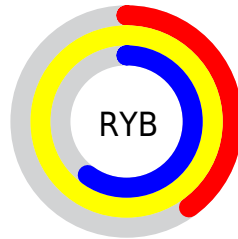
The CIELCh color **94, 76.169, 119.720** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **55, 87.195, 307.297**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 48.317, 106.483**, and **74, 76.041, 119.839** is the 20% darker color. If you saturate the color by 10%, you get **93, 86.232, 119.577**, and if you desaturate by 10%, it is **95, 64.765, 120.081**.

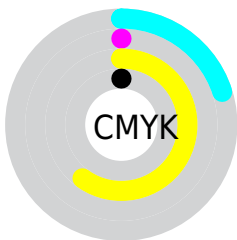
Distribution



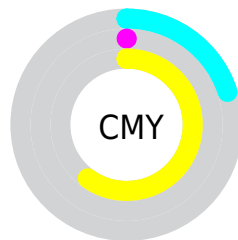
- Red (80%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (60%)



- Cyan (20%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 76.169, 119.720 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, 76.169, 119.720 by changing the saturation by 10% instead.


 94, 76.169,
119.720


 94, 76.169,
119.720

 100, 76.169,
119.720


 84, 76.169,
119.720

 74, 76.169,
119.720

 64, 76.169,
119.720

 54, 76.169,
119.720

 44, 76.169,
119.720

 34, 76.169,
119.720

 24, 76.169,

119.720

■ 14, 76.169,
119.720

■ 4, 76.169, 119.720

■ 94, 76.169,
119.720

■ 94, 76.169,
119.720

■ 93, 86.232,
119.577

■ 95, 64.765,
120.081

■ 93, 94.357,
119.760

■ 96, 52.494,
120.566

■ 92, 100.001,
120.385

■ 97, 39.695,
121.114

■ 92, 103.209,
121.450

■ 98, 26.596,
121.687

■ 99, 13.348,
122.259

100, 0.056,
124.047

100, 0.152,
322.404

Harmonies

Complementary

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



94, 76.169, 119.720



55, 87.195, 307.297

Rectangle

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



94, 76.169, 119.720



94, 76.169, 169.720



94, 76.169, 299.720



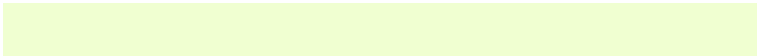
94, 76.169, 349.720

Sweetspot

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



94, 76.170, 119.722



98, 23.904, 121.805



72, 54.700, 50.361



52, 16.599, 121.637



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, 76.170, 119.722



93, 88.050, 119.583



90, 87.239, 135.578



53, 7.556, 122.290



71, 83.036, 121.188



24, 37.227, 119.750

Inverse Universe

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



55, 87.195, 307.297



48, 104.290, 308.207



64, 88.664, 321.740



49, 7.696, 303.347



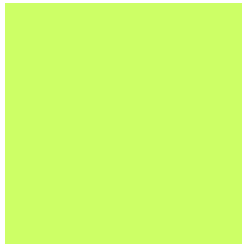
26, 104.130, 308.669



5, 44.800, 308.349

Previews

White Background



This preview shows how the CIELCh color 94, 76.169, 119.720 looks on a white background.

Color Contrast Check

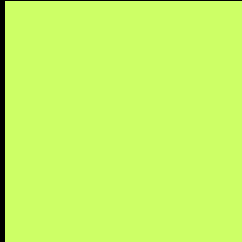
Large Text (above 18pt) WCAG AA × Fail

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 94, 76.169, 119.720 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, 76.169, 119.720

Background



This preview shows how black text looks on a background with the CIELCh color 94, 76.169, 119.720.

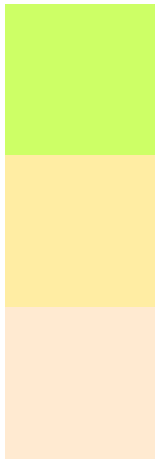


This preview shows how white text looks on a background with the CIELCh color 94, 76.169, 119.720.

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](#).

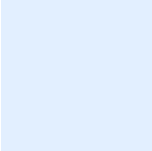
Dichromacy



Original Color
94, 76.169, 119.720

Protanopia
94, 38.324, 96.389

Deuteranopia
94, 15.069, 77.641

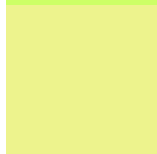


Tritanopia
94, 9.258, 262.405

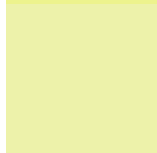
Trichromacy



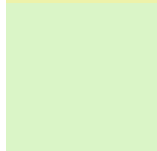
Original Color
94, 76.169, 119.720



Protanomaly
93, 51.103, 108.822



Deuteranomaly
94, 36.555, 110.332

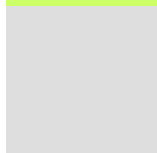


Tritanomaly
94, 25.593, 131.221

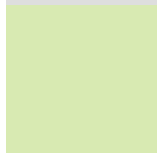
Monochromacy



Original Color
94, 76.169, 119.720



Achromatopsia
88, 0.011, 296.813



Achromatomaly
90, 29.563, 121.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 76.169, 119.720 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(205, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 102)  
}
```

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(205, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 76.169, 119.720 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(205, 255, 102) }
```

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

```
.border{ border-color:rgb(205, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 76.169, 119.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 102) }
```

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

```
.background{ background-color: rgb(205,  
255, 102) }
```

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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