

Converting Colors

CIELCh(94, 76.303, 120.049)

Have a look what the booklet for
CIELCh(94, 76.303, 120.049)
contains.

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Color

CIELCh(94, 76.280, 119.993)

Conversions

Conversions Part 1

Format	Color
Hex	CCFF66
RGB	204, 255, 102
RGB Percent	80%, 100%, 40%
CMY	0.2002, 0.0002, 0.6002
CMYK	0.20, 0.00, 0.60, 0.00
HSL	80°, 100%, 70%
HSV	80°, 60%, 100%
XYZ	63.0240, 85.2715, 25.6934
YIQ	222.3090, 18.7170, -58.3950

Conversions

Conversions Part 2

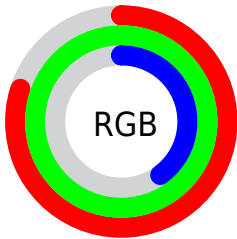
Format	Color
RYB	102, 255, 153
Decimal	13434726
CIELab	94.00, -38.13, 66.07
CIELCh	94, 76.280, 119.993
Yxy	85.2715, 0.3622, 0.4901
Android (android.graphics.Color)	4291624806 (0xFFCCFF66)
YUV	222.3090, -59.3123, -16.0570
Hunter-Lab	92.3426, -39.7730, 48.1430

Details

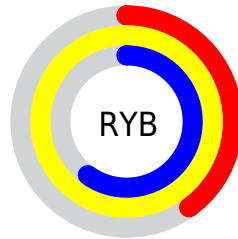
The CIELCh color **94, 76.280, 119.993** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **56, 87.181, 307.467**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 48.317, 106.483**, and **74, 76.168, 120.118** is the 20% darker color. If you saturate the color by 10%, you get **93, 86.379, 119.854**, and if you desaturate by 10%, it is **95, 64.843, 120.350**.

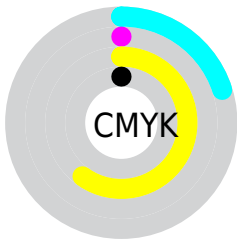
Distribution



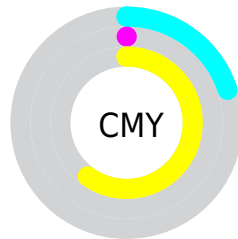
- Red (80%)
- Green (100%)
- Blue (40%)



- 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, 76.280, 119.993 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, 76.280, 119.993 by changing the saturation by 10% instead.

 94, 76.280,
119.993


 94, 76.280,
119.993

 100, 76.280,
119.993

 84, 76.280,
119.993

 74, 76.280,
119.993

 64, 76.280,
119.993

 54, 76.280,
119.993

 44, 76.280,
119.993

 34, 76.280,
119.993

 24, 76.280,

119.993

■ 14, 76.280,
119.993

■ 4, 76.280, 119.993

■ 94, 76.280,
119.993

■ 94, 76.280,
119.993

■ 93, 86.379,
119.854

■ 95, 64.843,
120.350

■ 93, 94.542,
120.042

■ 96, 52.542,
120.830

■ 92, 100.227,
120.674

■ 97, 39.715,
121.375

■ 92, 103.482,
121.754

■ 98, 26.590,
121.942

■ 99, 13.318,
122.509

100, 0.004,
139.811

100, 0.042,
317.072

Harmonies

Complementary

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



94, 76.280, 119.993



56, 87.181, 307.467

Rectangle

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



94, 76.280, 119.993



94, 76.280, 169.993



94, 76.280, 299.993



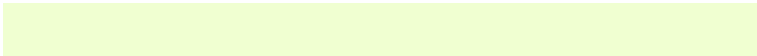
94, 76.280, 349.993

Sweetspot

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



94, 76.281, 119.995



98, 23.931, 122.057



73, 54.383, 51.876



52, 16.618, 121.891



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, 76.281, 119.995



93, 88.190, 119.861



90, 87.642, 135.954



53, 7.564, 122.537



71, 83.207, 121.489



24, 37.291, 120.037

Inverse Universe

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



56, 87.181, 307.467



48, 104.240, 308.355



65, 88.795, 322.260



49, 7.703, 303.583



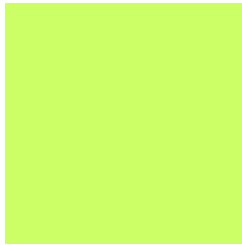
26, 104.006, 308.763



5, 44.811, 308.507

Previews

White Background



This preview shows how the CIELCh color 94, 76.280, 119.993 looks on a white background.

Color Contrast Check

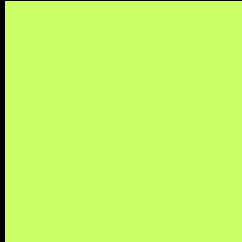
Large Text (above 18pt) WCAG AA × Fail

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, 76.280, 119.993 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, 76.280, 119.993

Background



This preview shows how black text looks on a background with the CIELCh color 94, 76.280, 119.993.

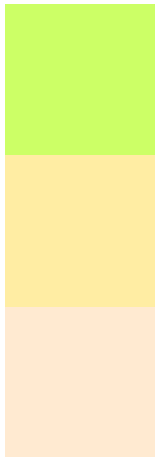


This preview shows how white text looks on a background with the CIELCh color 94, 76.280, 119.993.

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, 76.280, 119.993

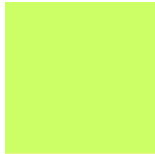
Protanopia
94, 38.324, 96.389

Deuteranopia
94, 15.069, 77.641

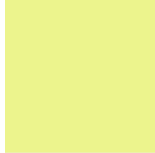


Tritanopia
94, 9.414, 260.592

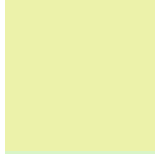
Trichromacy



Original Color
94, 76.280, 119.993



Protanomaly
94, 51.593, 109.660

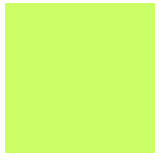


Deuteranomaly
94, 36.581, 110.938

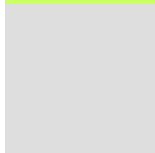


Tritanomaly
94, 25.744, 131.947

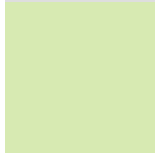
Monochromacy



Original Color
94, 76.280, 119.993



Achromatopsia
88, 0.011, 296.813



Achromatomaly
90, 29.660, 121.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 76.280, 119.993 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(204, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 76.280, 119.993 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(204, 255, 102) }
```

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

```
.border{ border-color:rgb(204, 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(204, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 76.280, 119.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 102) }
```

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

```
.background{ background-color: rgb(204,  
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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