

Converting Colors

CIELCh(94, 85.814, 119.110)

Have a look what the booklet for
CIELCh(94, 85.814, 119.110)
contains.

CIELCh(94, 85.050, 118.962)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(94, 85.050, 118.962)

Conversions

Conversions Part 1

Format	Color
Hex	C9FF50
RGB	201, 255, 80
RGB Percent	79%, 100%, 31%
CMY	0.2111, 0.0000, 0.6856
CMYK	0.21, 0.00, 0.69, 0.00
HSL	78°, 100%, 66%
HSV	78°, 69%, 100%
XYZ	61.7098, 85.2715, 20.8303
YIQ	218.9040, 23.9910, -65.8730

Conversions

Conversions Part 2

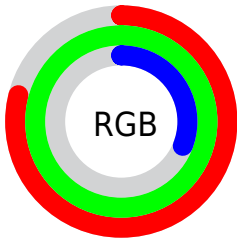
Format	Color
R _Y B	80, 255, 134
Decimal	13238096
CIE Lab	94.00, -41.18, 74.41
CIE LCh	94, 85.050, 118.962
Yxy	85.2715, 0.3677, 0.5081
Android (android.graphics.Color)	4291428176 (0xFFC9FF50)
YUV	218.9040, -68.4797, -15.7018
Hunter-Lab	92.3426, -42.3132, 51.2654

Details

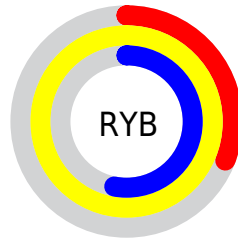
The CIELCh color **94, 85.050, 118.962** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **50, 99.679, 307.525**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 57.693, 105.762**, and **74, 83.959, 118.852** is the 20% darker color. If you saturate the color by 10%, you get **93, 92.913, 118.875**, and if you desaturate by 10%, it is **94, 74.288, 118.969**.

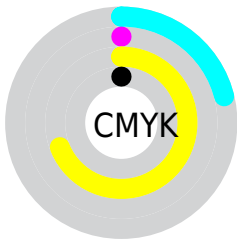
Distribution



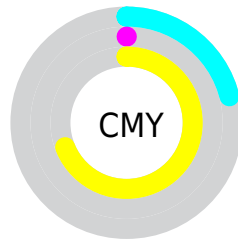
- Red (79%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (53%)



- Cyan (21%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 85.050, 118.962 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, 85.050, 118.962 by changing the saturation by 10% instead.


 94, 85.050,
118.962

 94, 85.050,
118.962

 100, 85.050,
118.962


 84, 85.050,
118.962

 74, 85.050,
118.962

 64, 85.050,
118.962

 54, 85.050,
118.962

 44, 85.050,
118.962

 34, 85.050,
118.962

 24, 85.050,

118.962

■ 14, 85.050,
118.962

■ 4, 85.050, 118.962

■ 94, 85.050,
118.962

■ 94, 85.050,
118.962

■ 93, 92.913,
118.875

■ 94, 74.288,
118.969

■ 93, 98.873,
119.402

■ 95, 62.780,
119.367

■ 92, 102.266,
120.394

■ 96, 50.460,
119.878

■ 92, 102.657,
120.553

■ 97, 37.649,
120.447

■ 98, 24.559,
121.036

■ 99, 11.335,
121.623

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, 85.050, 118.962



50, 99.679, 307.525

Rectangle

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



94, 85.050, 118.962



94, 85.050, 168.962



94, 85.050, 298.962



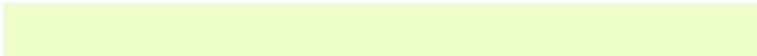
94, 85.050, 348.962

Sweetspot

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



94, 84.527, 118.769



98, 27.776, 120.892



68, 64.664, 48.797



52, 18.782, 120.729



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, 84.527, 118.769



93, 95.262, 119.004



90, 96.820, 134.718



53, 7.533, 121.567



71, 82.547, 120.298



24, 37.048, 118.904

Inverse Universe

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



50, 99.679, 307.525



42, 116.752, 308.349



60, 98.533, 321.350



49, 7.676, 302.660



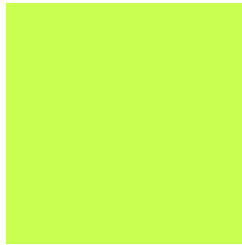
26, 104.479, 308.409



5, 44.768, 307.896

Previews

White Background



This preview shows how the CIELCh color 94, 85.050, 118.962 looks on a white background.

Color Contrast Check

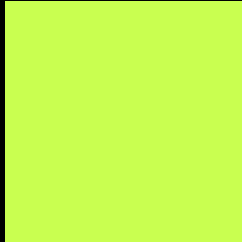
Large Text (above 18pt) WCAG AA × Fail

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, 85.050, 118.962 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, 85.050, 118.962

Background



This preview shows how black text looks on a background with the CIELCh color 94, 85.050, 118.962.

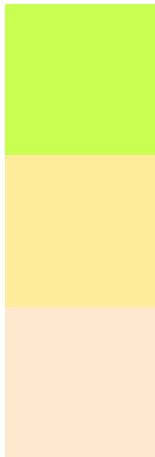


This preview shows how white text looks on a background with the CIELCh color 94, 85.050, 118.962.

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, 84.606, 118.794

Protanopia

93, 41.849, 96.362

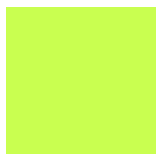
Deuteranopia

93, 16.176, 78.239

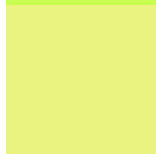


Tritanopia
93, 10.020, 260.492

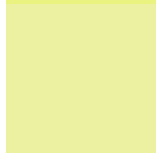
Trichromacy



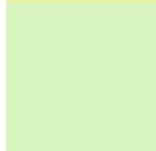
Original Color
94, 84.606, 118.794



Protanomaly
93, 57.201, 108.887



Deuteranomaly
93, 41.039, 110.208

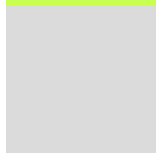


Tritanomaly
93, 29.202, 129.723

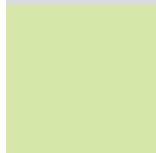
Monochromacy



Original Color
94, 84.606, 118.794



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 33.150, 120.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 85.050, 118.962 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(201, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 80)  
}
```

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(201, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 85.050, 118.962 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(201, 255, 80) }
```

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

```
.border{ border-color:rgb(201, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 85.050, 118.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 80) }
```

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

```
.background{ background-color: rgb(201,  
255, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor