

# Converting Colors

CIELCh(100, 97.777, 121.476)

Have a look what the booklet for  
CIELCh(100, 97.777, 121.476)  
contains.

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**Color**

**CIELCh(94, 87.502, 118.127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFF48
RGB	202, 255, 72
RGB Percent	79%, 100%, 28%
CMY	0.2073, 0.0000, 0.7169
CMYK	0.21, 0.00, 0.72, 0.00
HSL	77°, 100%, 64%
HSV	77°, 72%, 100%
XYZ	61.6811, 85.2715, 19.3720
YIQ	218.2910, 27.1550, -68.1490

# Conversions

## Conversions Part 2

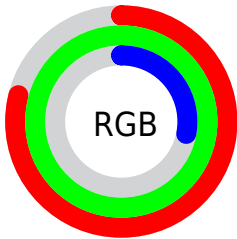
Format	Color
<b>RYB</b>	72, 255, 125
Decimal	13303624
CIELab	94.00, -41.25, 77.17
CIElCh	94, 87.502, 118.127
Yxy	85.2715, 0.3708, 0.5127
Android (android.graphics.Color)	4291493704 (0xFFCAFF48)
YUV	218.2910, -72.1215, -14.2872
Hunter-Lab	92.3426, -42.3687, 52.2017

# Details

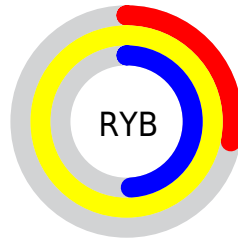
The CIELCh color **94, 87.502, 118.127** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **47, 104.157, 307.352**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 60.873, 105.518**, and **74, 83.959, 118.852** is the 20% darker color. If you saturate the color by 10%, you get **93, 94.616, 118.139**, and if you desaturate by 10%, it is **94, 77.350, 118.074**.

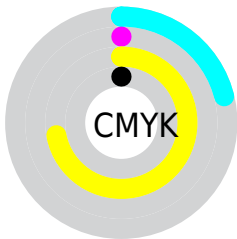
# Distribution



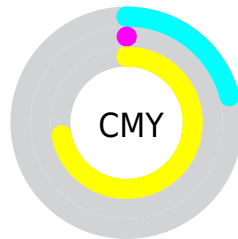
- Red (79%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (49%)



- Cyan (21%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (72%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 87.502, 118.127 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, 87.502, 118.127 by changing the saturation by 10% instead.




 94, 87.502,  
118.127


 94, 87.502,  
118.127

 100, 87.502,  
118.127

 84, 87.502,  
118.127


 74, 87.502,  
118.127

 64, 87.502,  
118.127

 54, 87.502,  
118.127

 44, 87.502,  
118.127

 34, 87.502,  
118.127

 24, 87.502,

118.127

■ 14, 87.502,  
118.127

■ 4, 87.502, 118.127

■ 94, 87.502,  
118.127

■ 94, 87.502,  
118.127

■ 93, 94.616,  
118.139

■ 94, 77.350,  
118.074

■ 93, 99.662,  
118.780

■ 95, 66.244,  
118.437

■ 92, 102.057,  
119.634

■ 96, 54.194,  
118.935

■ 97, 41.561,  
119.507

■ 98, 28.588,  
120.109

■ 99, 15.438,  
120.714

■ 100, 2.219,  
121.323

■ 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, 87.502, 118.127



47, 104.157, 307.352

# Rectangle

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



94, 87.502, 118.127



94, 87.502, 168.127



94, 87.502, 298.127



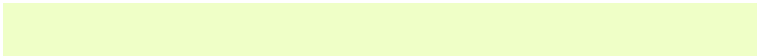
94, 87.502, 348.127

# Sweetspot

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



94, 87.010, 117.938



98, 28.999, 120.090



67, 68.740, 47.492



52, 19.464, 119.925



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, 87.010, 117.938



93, 97.124, 118.357



90, 99.686, 134.231



53, 7.511, 120.845



71, 82.077, 119.388



24, 36.877, 118.046



# Inverse Universe

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



47, 104.157, 307.352



40, 121.131, 308.149



58, 101.758, 320.842



49, 7.657, 301.974



26, 104.812, 308.168

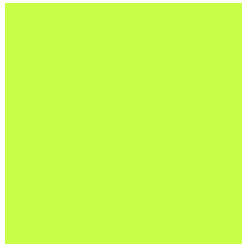


5, 44.734, 307.458



# Previews

## White Background



This preview shows how the CIELCh color 94, 87.502, 118.127 looks on a white background.

## Color Contrast Check

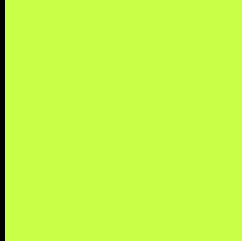
Large Text (above 18pt) WCAG AA × Fail

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, 87.502, 118.127 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, 87.502, 118.127

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 87.502, 118.127.

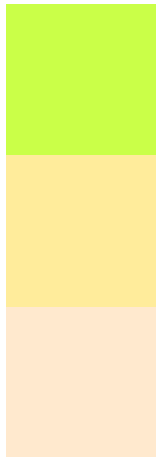


This preview shows how white text looks on a background with the CIELCh color 94, 87.502, 118.127.

# 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, 87.085, 117.955

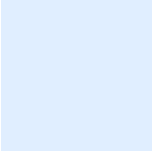
### Protanopia

93, 41.849, 96.362

### Deuteranopia

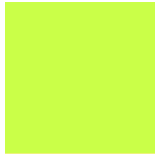
93, 16.176, 78.239



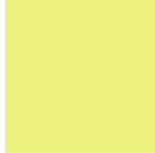


**Tritanopia**  
94, 9.864, 262.186

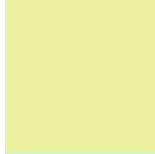
# Trichromacy



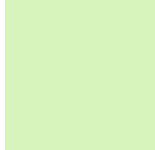
**Original Color**  
94, 87.085, 117.955



**Protanomaly**  
93, 58.547, 108.316

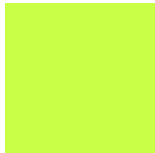


**Deuteranomaly**  
93, 42.483, 109.457

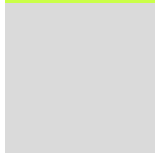


**Tritanomaly**  
93, 30.009, 128.352

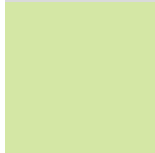
# Monochromacy



**Original Color**  
94, 87.085, 117.955



**Achromatopsia**  
87, 0.010, 296.813



**Achromatomaly**  
89, 34.650, 119.647

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 87.502, 118.127 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(202, 255, 72)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 72)  
}
```

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(202, 255, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 72) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 87.502, 118.127 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(202, 255, 72) }
```

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

```
.border{ border-color:rgb(202, 255, 72) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 72);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
72) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 87.502, 118.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 72) }
```

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

```
.background{ background-color: rgb(202,  
255, 72) }
```

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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