

Converting Colors

CIELCh(100, 90.018, 121.124)

Have a look what the booklet for
CIELCh(100, 90.018, 121.124)
contains.

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Color

CIELCh(94, 80.272, 117.547)

Conversions

Conversions Part 1

Format	Color
Hex	D0FE59
RGB	208, 254, 89
RGB Percent	82%, 100%, 35%
CMY	0.1831, 0.0026, 0.6497
CMYK	0.18, 0.00, 0.65, 0.00
HSL	77°, 99%, 67%
HSV	77°, 65%, 100%
XYZ	63.4621, 85.2715, 22.6383
YIQ	221.4360, 25.5490, -61.0670

Conversions

Conversions Part 2

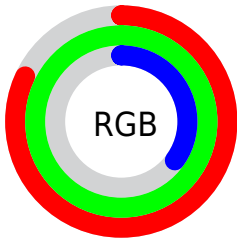
Format	Color
R _Y B	89, 254, 135
Decimal	13696601
CIE Lab	94.00, -37.12, 71.17
CIE LCh	94, 80.272, 117.547
Yxy	85.2715, 0.3703, 0.4976
Android (android.graphics.Color)	4291886681 (0xFFD0FE59)
YUV	221.4360, -65.2909, -11.7834
Hunter-Lab	92.3426, -38.9260, 50.1046

Details

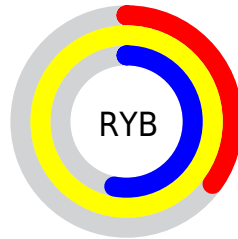
The CIELCh color **94, 80.272, 117.547** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **51, 94.303, 306.518**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 53.989, 106.046**, and **74, 80.167, 117.471** is the 20% darker color. If you saturate the color by 10%, you get **93, 89.291, 117.494**, and if you desaturate by 10%, it is **95, 69.621, 117.860**.

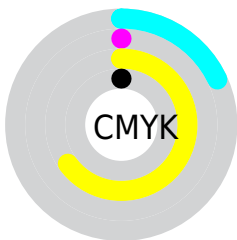
Distribution



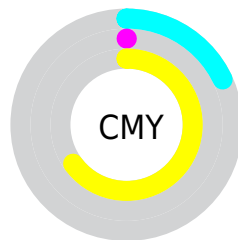
- Red (82%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (53%)



- Cyan (18%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 80.272, 117.547 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, 80.272, 117.547 by changing the saturation by 10% instead.

 94, 80.272,
117.547

 94, 80.272,
117.547

 100, 80.272,
117.547

 84, 80.272,
117.547

 74, 80.272,
117.547

 64, 80.272,
117.547

 54, 80.272,
117.547

 44, 80.272,
117.547

 34, 80.272,
117.547

 24, 80.272,

117.547

■ 14, 80.272,
117.547

■ 4, 80.272, 117.547

■ 94, 80.272,
117.547

■ 94, 80.272,
117.547

■ 93, 89.291,
117.494

■ 95, 69.621,
117.860

■ 93, 96.068,
117.809

■ 95, 57.881,
118.333

■ 92, 100.209,
118.581

■ 96, 45.457,
118.896

■ 92, 101.533,
119.115

■ 97, 32.625,
119.501

■ 98, 19.569,
120.117

■ 99, 6.412, 120.727

100, 0.426,
323.729

Harmonies

Complementary

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



94, 80.272, 117.547



51, 94.303, 306.518

Rectangle

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



94, 80.272, 117.547



94, 80.272, 167.547



94, 80.272, 297.547



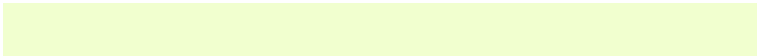
94, 80.272, 347.547

Sweetspot

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



94, 80.273, 117.549



98, 25.027, 119.863



69, 61.259, 46.074



52, 17.209, 119.686



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, 80.273, 117.549



93, 91.867, 117.548



90, 91.654, 134.145



53, 7.500, 120.445



71, 81.826, 118.876



24, 36.786, 117.565

Inverse Universe

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



51, 94.303, 306.518



43, 112.500, 307.600



61, 94.082, 320.267



49, 7.647, 301.595



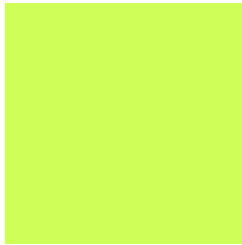
25, 104.990, 308.042



4, 44.714, 307.221

Previews

White Background



This preview shows how the CIE LCh color 94, 80.272, 117.547 looks on a white background.

Color Contrast Check

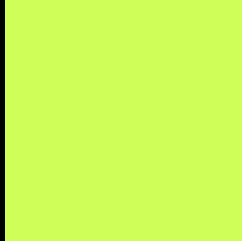
Large Text (above 18pt) WCAG AA × Fail

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, 80.272, 117.547 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, 80.272, 117.547

Background



This preview shows how black text looks on a background with the CIELCh color 94, 80.272, 117.547.

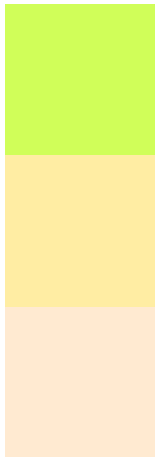


This preview shows how white text looks on a background with the CIELCh color 94, 80.272, 117.547.

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, 80.273, 117.542

Protanopia

94, 38.324, 96.389

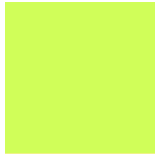
Deuteranopia

94, 15.069, 77.641

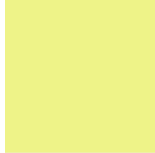


Tritanopia
94, 9.327, 269.515

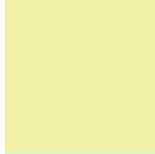
Trichromacy



Original Color
94, 80.273, 117.542



Protanomaly
93, 53.437, 108.098



Deuteranomaly
93, 38.521, 108.860

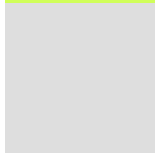


Tritanomaly
93, 26.488, 127.051

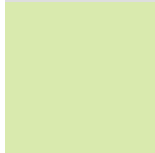
Monochromacy



Original Color
94, 80.273, 117.542



Achromatopsia
88, 0.011, 296.813



Achromatomaly
90, 31.447, 119.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 80.272, 117.547 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(208, 254, 89)` looks like.

```
.text, #text, p{  
    color:rgb(208, 254, 89)  
}
```

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(208, 254, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 254, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 80.272, 117.547 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(208, 254, 89) }
```

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

```
.border{ border-color:rgb(208, 254, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 254, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 254, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 254, 89);  
box-shadow:4px 4px 4px 4px rgb(208, 254,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 80.272, 117.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 254, 89) }
```

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

```
.background{ background-color: rgb(208,  
254, 89) }
```

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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