

Converting Colors

CIELCh(96, 42.302, 121.262)

Have a look what the booklet for
CIELCh(96, 42.302, 121.262)
contains.

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Color

CIELCh(96, 42.500, 121.085)

Conversions

Conversions Part 1

Format	Color
Hex	E3FEAC
RGB	227, 254, 172
RGB Percent	89%, 100%, 67%
CMY	0.1107, 0.0048, 0.3263
CMYK	0.11, 0.00, 0.32, 0.00
HSL	80°, 97%, 83%
HSV	80°, 32%, 100%
XYZ	74.4063, 90.0078, 52.3757
YIQ	236.5790, 10.2300, -31.2260

Conversions

Conversions Part 2

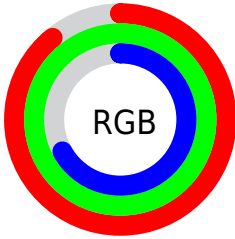
Format	Color
RYB	172, 254, 199
Decimal	14941868
CIELab	96.00, -21.94, 36.40
CIELCh	96, 42.500, 121.085
Yxy	90.0078, 0.3432, 0.4152
Android (android.graphics.Color)	4293131948 (0xFFE3FEAC)
YUV	236.5790, -31.8374, -8.4008
Hunter-Lab	94.8724, -26.0333, 33.6788

Details

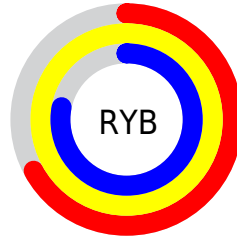
The CIELCh color **96, 42.500, 121.085** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **75, 45.295, 305.031**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **76, 42.214, 120.882** is the 20% darker color. If you saturate the color by 10%, you get **95, 55.173, 120.550**, and if you desaturate by 10%, it is **97, 29.489, 121.655**.

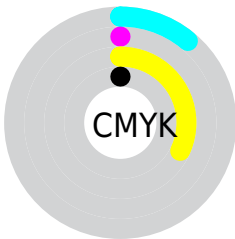
Distribution



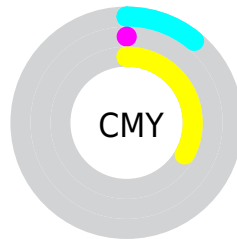
- Red (89%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (78%)



- Cyan (11%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 42.500, 121.085 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 96, 42.500, 121.085 by changing the saturation by 10% instead.

96, 42.500,
121.085

96, 42.500,
121.085

100, 42.500,
121.085

86, 42.500,
121.085

76, 42.500,
121.085

66, 42.500,
121.085

56, 42.500,
121.085

46, 42.500,
121.085

36, 42.500,
121.085

26, 42.500,

121.085

■ 16, 42.500,
121.085

■ 6, 42.500, 121.085

■ 96, 42.500,
121.085

■ 96, 42.500,
121.085

■ 95, 55.173,
120.550

■ 97, 29.489,
121.655

■ 94, 67.253,
120.089

■ 98, 16.300,
122.226

■ 93, 78.377,
119.771

■ 99, 3.047, 122.799

■ 93, 88.038,
119.692

100, 0.764,
324.064

■ 92, 95.632,
119.967

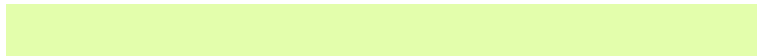
■ 92, 100.674,
120.706

■ 91, 102.986,
121.563

Harmonies

Complementary

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



96, 42.500, 121.085



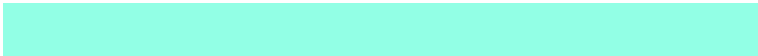
75, 45.295, 305.031

Rectangle

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



96, 42.500, 121.085



96, 42.500, 171.085



96, 42.500, 301.085



96, 42.500, 351.085

Sweetspot

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



96, 42.502, 121.087



99, 13.296, 122.357



84, 26.432, 51.463



53, 9.071, 122.277



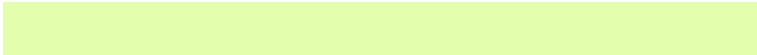
0, 0.000, 0.000



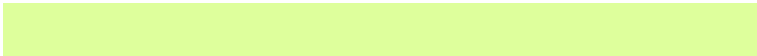
53, 0.007, 296.813

Same Dimension

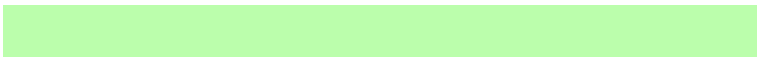
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 42.502, 121.087



96, 51.231, 120.722



94, 48.444, 137.519



53, 7.559, 122.385



71, 83.101, 121.303



24, 37.251, 119.860

Inverse Universe

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



75, 45.295, 305.031



71, 55.458, 305.572



79, 49.083, 320.764



49, 7.699, 303.438



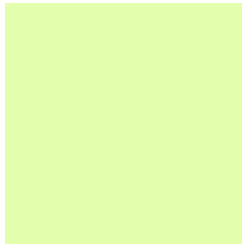
26, 104.083, 308.705



5, 44.804, 308.409

Previews

White Background



This preview shows how the CIE LCh color 96, 42.500, 121.085 looks on a white background.

Color Contrast Check

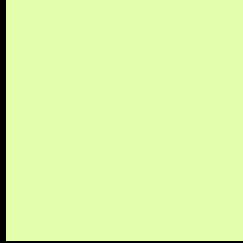
Large Text (above 18pt) WCAG AA × Fail

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 96, 42.500, 121.085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

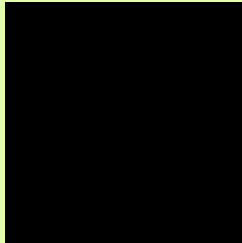
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

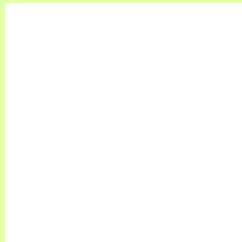
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 42.500, 121.085

Background



This preview shows how black text looks on a background with the CIELCh color 96, 42.500, 121.085.

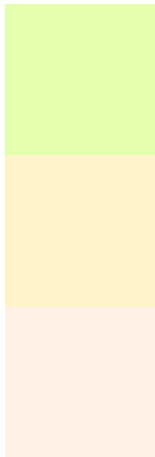


This preview shows how white text looks on a background with the CIELCh color 96, 42.500, 121.085.

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
96, 42.500, 121.085

Protanopia
96, 21.376, 96.287

Deuteranopia
96, 7.949, 69.887

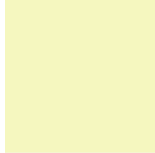


Tritanopia
96, 6.184, 284.270

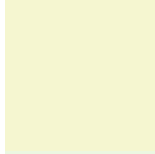
Trichromacy



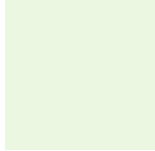
Original Color
96, 42.500, 121.085



Protanomaly
96, 28.410, 109.501

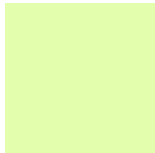


Deuteranomaly
96, 19.345, 109.775

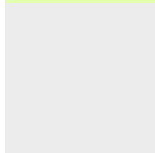


Tritanomaly
96, 11.939, 128.684

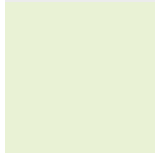
Monochromacy



Original Color
96, 42.500, 121.085



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 15.223, 121.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 42.500, 121.085 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(227, 254, 172)` looks like.

```
.text, #text, p{  
    color:rgb(227, 254, 172)  
}
```

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(227, 254, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 254, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 42.500, 121.085 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(227, 254, 172) }
```

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

```
.border{ border-color:rgb(227, 254, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 254, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 254, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 254, 172);  
box-shadow:4px 4px 4px 4px rgb(227, 254,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 42.500, 121.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 254, 172) }
```

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

```
.background{ background-color: rgb(227,  
254, 172) }
```

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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