

Converting Colors

CIELCh(98, 50.735, 122.732)

Have a look what the booklet for
CIELCh(98, 50.735, 122.732)
contains.

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Color

CIElCh(96, 47.016, 120.913)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFA4
RGB	225, 255, 164
RGB Percent	88%, 100%, 64%
CMY	0.1186, 0.0009, 0.3577
CMYK	0.12, 0.00, 0.36, 0.00
HSL	80°, 99%, 82%
HSV	80°, 36%, 100%
XYZ	73.3406, 90.0078, 48.5234
YIQ	235.6560, 11.3310, -34.6610

Conversions

Conversions Part 2

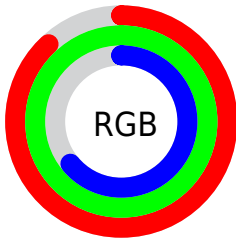
Format	Color
RYB	164, 255, 194
Decimal	14811044
CIELab	96.00, -24.15, 40.34
CIELCh	96, 47.016, 120.913
Yxy	90.0078, 0.3462, 0.4248
Android (android.graphics.Color)	4293001124 (0xFFE1FFA4)
YUV	235.6560, -35.3264, -9.3453
Hunter-Lab	94.8724, -28.0384, 36.0863

Details

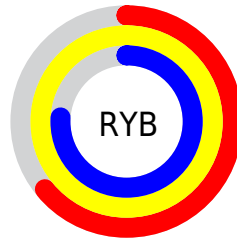
The CIELCh color **96, 47.016, 120.913** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **73, 50.500, 305.316**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.699, 108.839**, and **76, 46.829, 120.662** is the 20% darker color. If you saturate the color by 10%, you get **95, 59.561, 120.398**, and if you desaturate by 10%, it is **97, 34.058, 121.476**.

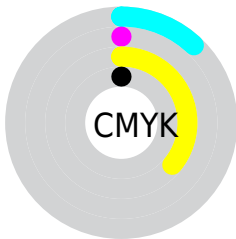
Distribution



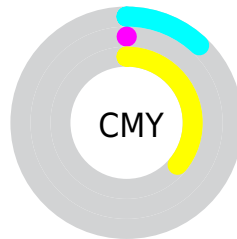
- Red (88%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 47.016, 120.913 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, 47.016, 120.913 by changing the saturation by 10% instead.


 96, 47.016,
120.913


 96, 47.016,
120.913


 100, 47.016,
120.913


 86, 47.016,
120.913

 76, 47.016,
120.913

 66, 47.016,
120.913

 56, 47.016,
120.913

 46, 47.016,
120.913

 36, 47.016,
120.913

 26, 47.016,

120.913

■ 16, 47.016,
120.913

■ 6, 47.016, 120.913

■ 96, 47.016,
120.913

■ 96, 47.016,
120.913

■ 95, 59.561,
120.398

■ 97, 34.058,
121.476

■ 94, 71.401,
119.978

■ 98, 20.872,
122.048

■ 94, 82.123,
119.729

■ 99, 7.588, 122.614

■ 93, 91.175,
119.758

100, 0.156,
322.460

■ 92, 97.957,
120.183

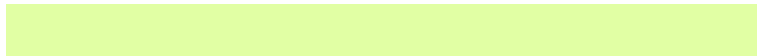
■ 92, 102.107,
121.093

■ 92, 103.304,
121.585

Harmonies

Complementary

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



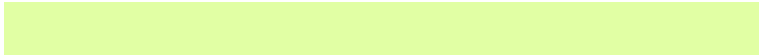
96, 47.016, 120.913



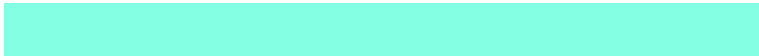
73, 50.500, 305.316

Rectangle

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



96, 47.016, 120.913



96, 47.016, 170.913



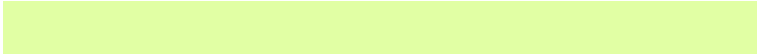
96, 47.016, 300.913



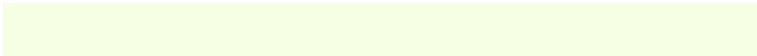
96, 47.016, 350.913

Sweetspot

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



96, 47.018, 120.915



99, 14.626, 122.316



83, 29.701, 51.284



53, 9.827, 122.239



0, 0.000, 0.000



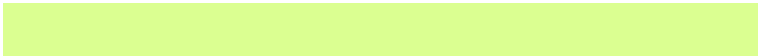
53, 0.007, 296.813

Same Dimension

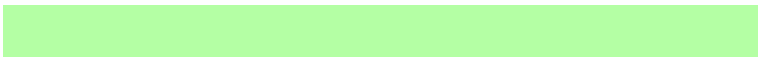
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 47.018, 120.915



95, 56.254, 120.532



93, 53.640, 137.289



53, 7.559, 122.400



71, 83.112, 121.322



24, 37.255, 119.878

Inverse Universe

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



73, 50.500, 305.316



68, 61.493, 305.919



77, 54.405, 320.911



49, 7.699, 303.452



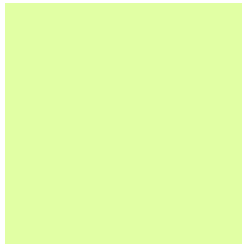
26, 104.075, 308.711



5, 44.805, 308.419

Previews

White Background



This preview shows how the CIELCh color 96, 47.016, 120.913 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, 47.016, 120.913 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

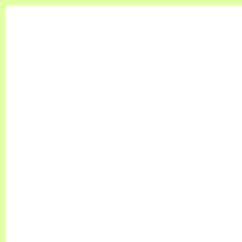
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 47.016, 120.913

Background



This preview shows how black text looks on a background with the CIELCh color 96, 47.016, 120.913.

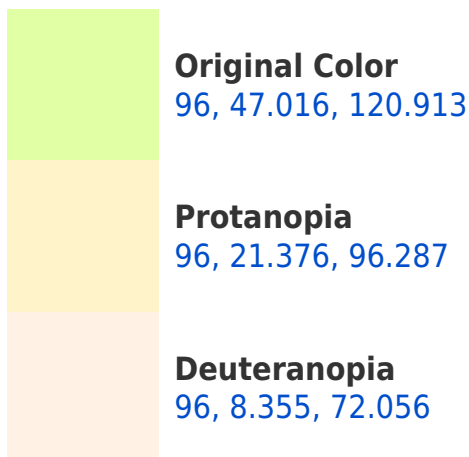


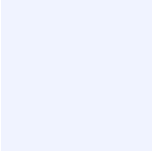
This preview shows how white text looks on a background with the CIELCh color 96, 47.016, 120.913.

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](#).

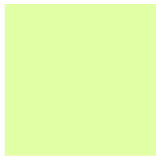
Dichromacy



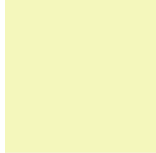


Tritanopia
96, 6.226, 281.124

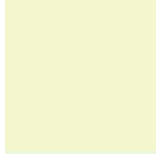
Trichromacy



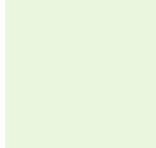
Original Color
96, 47.016, 120.913



Protanomaly
96, 29.927, 110.040



Deuteranomaly
96, 20.877, 110.603

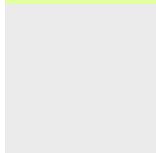


Tritanomaly
96, 13.635, 129.329

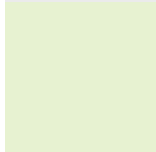
Monochromacy



Original Color
96, 47.016, 120.913



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 17.387, 122.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 47.016, 120.913 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(225, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 164)  
}
```

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(225, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 47.016, 120.913 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(225, 255, 164) }
```

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

```
.border{ border-color:rgb(225, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 47.016, 120.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 164) }
```

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

```
.background{ background-color: rgb(225,  
255, 164) }
```

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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