

Converting Colors

CIELCh(97, 50.494, 121.698)

Have a look what the booklet for
CIELCh(97, 50.494, 121.698)
contains.

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Color

CIElCh(96, 48.521, 120.854)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFA1
RGB	224, 255, 161
RGB Percent	88%, 100%, 63%
CMY	0.1213, 0.0000, 0.3683
CMYK	0.12, 0.00, 0.37, 0.00
HSL	80°, 100%, 82%
HSV	80°, 37%, 100%
XYZ	72.9908, 90.0078, 47.2794
YIQ	235.0150, 11.6980, -35.8060

Conversions

Conversions Part 2

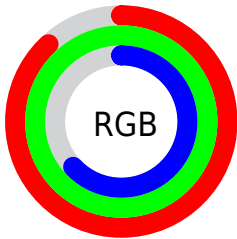
Format	Color
RYB	161, 255, 192
Decimal	14745505
CIELab	96.00, -24.88, 41.65
CIELCh	96, 48.521, 120.854
Yxy	90.0078, 0.3471, 0.4280
Android (android.graphics.Color)	4292935585 (0xFFE0FFA1)
YUV	235.0150, -36.4894, -9.6602
Hunter-Lab	94.8724, -28.6966, 36.8637

Details

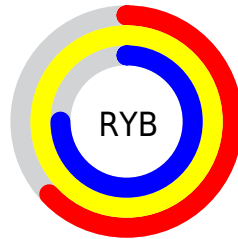
The CIELCh color **96, 48.521, 120.854** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **72, 52.206, 305.389**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 19.210, 108.724**, and **76, 48.356, 120.589** is the 20% darker color. If you saturate the color by 10%, you get **95, 60.964, 120.323**, and if you desaturate by 10%, it is **97, 35.544, 121.390**.

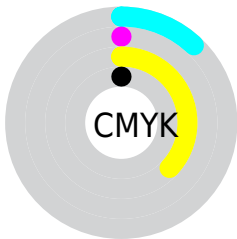
Distribution



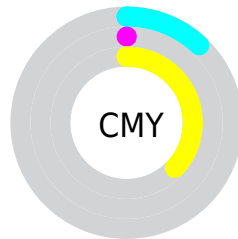
- Red (88%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 48.521, 120.854 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, 48.521, 120.854 by changing the saturation by 10% instead.

 96, 48.521,
120.854

 96, 48.521,
120.854

 100, 48.521,
120.854

 86, 48.521,
120.854

 76, 48.521,
120.854

 66, 48.521,
120.854

 56, 48.521,
120.854

 46, 48.521,
120.854

 36, 48.521,
120.854

 26, 48.521,

120.854

■ 16, 48.521,
120.854

■ 6, 48.521, 120.854

■ 96, 48.521,
120.854

■ 96, 48.521,
120.854

■ 95, 60.964,
120.323

■ 97, 35.544,
121.390

■ 94, 72.709,
119.917

■ 98, 22.367,
121.963

■ 94, 83.280,
119.693

■ 99, 9.080, 122.530

■ 93, 92.111,
119.760

100, 0.012,
296.813

■ 92, 98.609,
120.235

■ 92, 102.473,
121.198

■ 92, 103.358,
121.561

Harmonies

Complementary

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



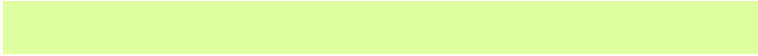
96, 48.521, 120.854



72, 52.206, 305.389

Rectangle

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



96, 48.521, 120.854



96, 48.521, 170.854



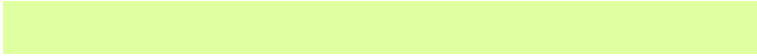
96, 48.521, 300.854



96, 48.521, 350.854

Sweetspot

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



96, 48.476, 120.832



99, 14.625, 122.295



82, 30.786, 51.228



53, 9.826, 122.218



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

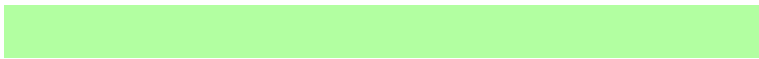
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 48.476, 120.832



95, 57.487, 120.459



93, 55.326, 137.212



53, 7.559, 122.379



71, 83.098, 121.297



24, 37.250, 119.854

Inverse Universe

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



72, 52.206, 305.389



67, 63.004, 305.987



77, 56.132, 320.958



49, 7.699, 303.433



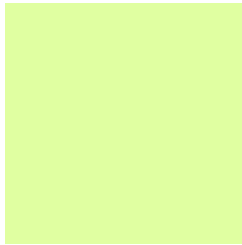
26, 104.085, 308.703



5, 44.804, 308.406

Previews

White Background



This preview shows how the CIELCh color 96, 48.521, 120.854 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, 48.521, 120.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

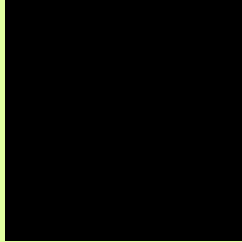
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 48.521, 120.854

Background



This preview shows how black text looks on a background with the CIELCh color 96, 48.521, 120.854.

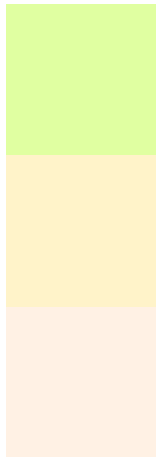


This preview shows how white text looks on a background with the CIELCh color 96, 48.521, 120.854.

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

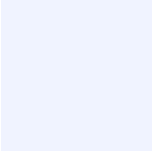
96, 48.521, 120.854

Protanopia

96, 21.874, 96.514

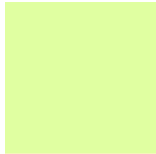
Deuteranopia

96, 8.355, 72.056

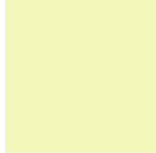


Tritanopia
96, 6.226, 281.124

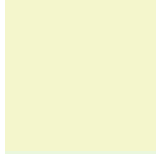
Trichromacy



Original Color
96, 48.521, 120.854



Protanomaly
96, 30.926, 109.896

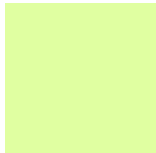


Deuteranomaly
96, 21.382, 110.518

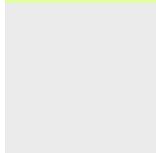


Tritanomaly
96, 14.116, 128.608

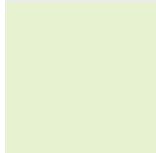
Monochromacy



Original Color
96, 48.521, 120.854



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 17.884, 121.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 48.521, 120.854 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(224, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 161)  
}
```

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(224, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 48.521, 120.854 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(224, 255, 161) }
```

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

```
.border{ border-color:rgb(224, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 48.521, 120.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 161) }
```

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

```
.background{ background-color: rgb(224,  
255, 161) }
```

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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