

Converting Colors

CIELCh(96, 47.156, 118.353)

Have a look what the booklet for
CIELCh(96, 47.156, 118.353)
contains.

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Color

CIELCh(96, 47.052, 118.520)

Conversions

Conversions Part 1

Format	Color
Hex	E5FEA2
RGB	229, 254, 162
RGB Percent	90%, 100%, 64%
CMY	0.1026, 0.0046, 0.3653
CMYK	0.10, 0.00, 0.36, 0.00
HSL	76°, 98%, 82%
HSV	76°, 36%, 100%
XYZ	74.1534, 90.0078, 47.5721
YIQ	236.0370, 14.6320, -33.9120

Conversions

Conversions Part 2

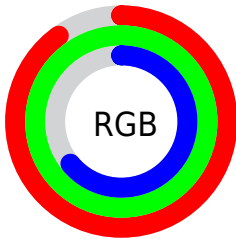
Format	Color
RYB	162, 254, 187
Decimal	15072930
CIELab	96.00, -22.47, 41.34
CIELCh	96, 47.052, 118.520
Yxy	90.0078, 0.3502, 0.4251
Android (android.graphics.Color)	4293263010 (0xFFE5FEA2)
YUV	236.0370, -36.5002, -6.1714
Hunter-Lab	94.8724, -26.5090, 36.6808

Details

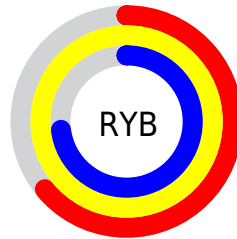
The CIELCh color **96, 47.052, 118.520** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **72, 50.901, 303.485**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.707, 108.762**, and **76, 46.923, 118.597** is the 20% darker color. If you saturate the color by 10%, you get **95, 59.365, 117.962**, and if you desaturate by 10%, it is **97, 34.303, 119.130**.

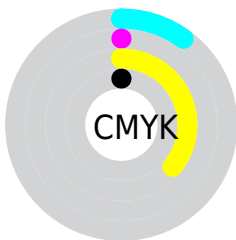
Distribution



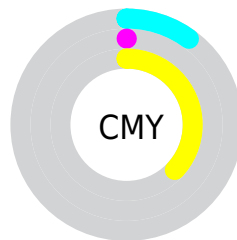
- Red (90%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 47.052, 118.520 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, 47.052, 118.520 by changing the saturation by 10% instead.


 96, 47.052,
118.520


 96, 47.052,
118.520


 100, 47.052,
118.520


 86, 47.052,
118.520

 76, 47.052,
118.520

 66, 47.052,
118.520

 56, 47.052,
118.520

 46, 47.052,
118.520

 36, 47.052,
118.520

 26, 47.052,

118.520

■ 16, 47.052,
118.520

■ 6, 47.052, 118.520

■ 96, 47.052,
118.520

■ 96, 47.052,
118.520

■ 95, 59.365,
117.962

■ 97, 34.303,
119.130

■ 94, 70.945,
117.500

■ 98, 21.306,
119.753

■ 94, 81.371,
117.209

■ 99, 8.192, 120.370

■ 93, 90.079,
117.189

100, 0.733,
324.045

■ 93, 96.474,
117.549

■ 92, 100.218,
118.369

■ 92, 101.166,
118.754

Harmonies

Complementary

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



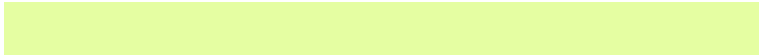
96, 47.052, 118.520



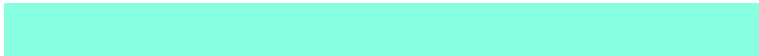
72, 50.901, 303.485

Rectangle

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



96, 47.052, 118.520



96, 47.052, 168.520



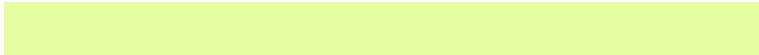
96, 47.052, 298.520



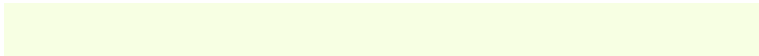
96, 47.052, 348.520

Sweetspot

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



96, 47.054, 118.522



99, 14.494, 120.077



81, 30.599, 46.003



53, 9.738, 119.993



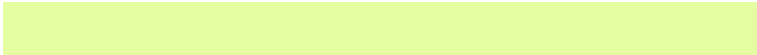
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

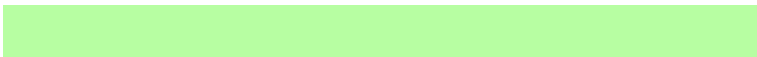
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 47.054, 118.522



96, 55.643, 118.135



93, 53.421, 135.877



53, 7.492, 120.169



71, 81.656, 118.520



24, 36.725, 117.231

Inverse Universe

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



72, 50.901, 303.485



67, 61.286, 304.133



76, 54.478, 319.388



49, 7.640, 301.335



25, 105.110, 307.959



4, 44.700, 307.061

Previews

White Background



This preview shows how the CIELCh color 96, 47.052, 118.520 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, 47.052, 118.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

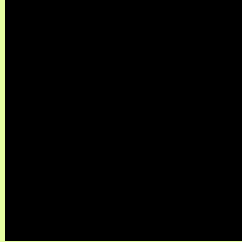
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 47.052, 118.520

Background



This preview shows how black text looks on a background with the CIELCh color 96, 47.052, 118.520.

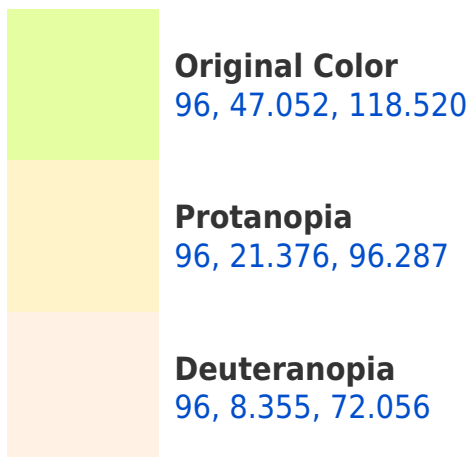



This preview shows how white text looks on a background with the CIELCh color 96, 47.052, 118.520.

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](#).

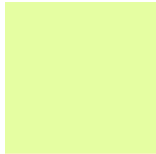
Dichromacy



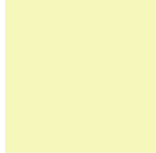


Tritanopia
96, 6.674, 290.701

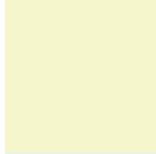
Trichromacy



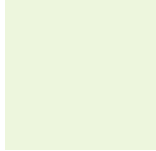
Original Color
96, 47.052, 118.520



Protanomaly
96, 30.412, 109.249



Deuteranomaly
96, 21.369, 109.517

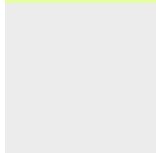


Tritanomaly
96, 13.194, 123.511

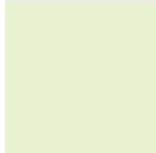
Monochromacy



Original Color
96, 47.052, 118.520



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 17.220, 119.952

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 47.052, 118.520 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(229, 254, 162)` looks like.

```
.text, #text, p{  
    color:rgb(229, 254, 162)  
}
```

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(229, 254, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 254, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 47.052, 118.520 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(229, 254, 162) }
```

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

```
.border{ border-color:rgb(229, 254, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 254, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 254, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 254, 162);  
box-shadow:4px 4px 4px 4px rgb(229, 254,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 47.052, 118.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 254, 162) }
```

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

```
.background{ background-color: rgb(229,  
254, 162) }
```

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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