

Converting Colors

CIELCh(98, 55.811, 120.150)

Have a look what the booklet for
CIELCh(98, 55.811, 120.150)
contains.

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Color

CIELCh(96, 51.962, 118.416)

Conversions

Conversions Part 1

Format	Color
Hex	E3FF99
RGB	227, 255, 153
RGB Percent	89%, 100%, 60%
CMY	0.1105, 0.0007, 0.4006
CMYK	0.11, 0.00, 0.40, 0.00
HSL	76°, 100%, 80%
HSV	76°, 40%, 100%
XYZ	73.0658, 90.0078, 43.5894
YIQ	235.0000, 16.0540, -37.6580

Conversions

Conversions Part 2

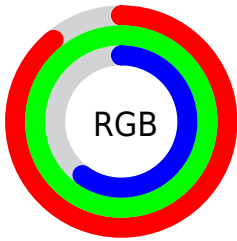
Format	Color
RYB	153, 255, 181
Decimal	14942105
CIELab	96.00, -24.73, 45.70
CIELCh	96, 51.962, 118.416
Yxy	90.0078, 0.3536, 0.4355
Android (android.graphics.Color)	4293132185 (0xFFE3FF99)
YUV	235.0000, -40.4260, -7.0160
Hunter-Lab	94.8724, -28.5553, 39.1698

Details

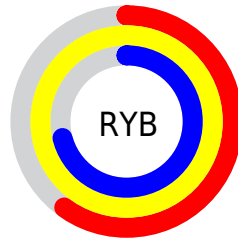
The CIELCh color **96, 51.962, 118.416** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69, 56.756, 303.931**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **76, 51.874, 118.423** is the 20% darker color. If you saturate the color by 10%, you get **95, 64.085, 117.890**, and if you desaturate by 10%, it is **97, 39.305, 119.010**.

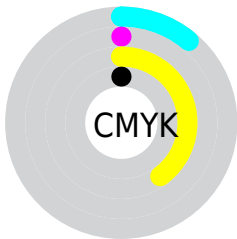
Distribution



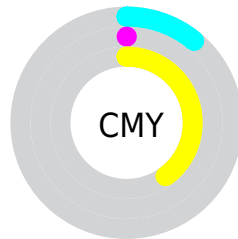
- Red (89%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 51.962, 118.416 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, 51.962, 118.416 by changing the saturation by 10% instead.


 96, 51.962,
118.416


 96, 51.962,
118.416


 100, 51.962,
118.416


 86, 51.962,
118.416

 76, 51.962,
118.416

 66, 51.962,
118.416

 56, 51.962,
118.416

 46, 51.962,
118.416

 36, 51.962,
118.416

 26, 51.962,

118.416

■ 16, 51.962,
118.416

■ 6, 51.962, 118.416

■ 96, 51.962,
118.416

■ 96, 51.962,
118.416

■ 95, 64.085,
117.890

■ 97, 39.305,
119.010

■ 95, 75.329,
117.486

■ 98, 26.336,
119.628

■ 94, 85.215,
117.288

■ 99, 13.206,
120.246

■ 93, 93.146,
117.404

■ 100, 0.019,
123.320

■ 93, 98.575,
117.939

100, 0.113,
321.709

■ 92, 101.554,
118.898

Harmonies

Complementary

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



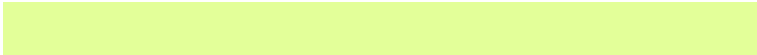
96, 51.962, 118.416



69, 56.756, 303.931

Rectangle

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



96, 51.962, 118.416



96, 51.962, 168.416



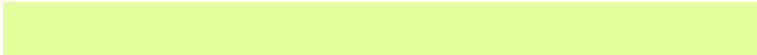
96, 51.962, 298.416



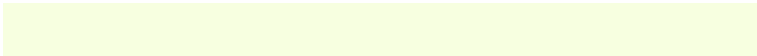
96, 51.962, 348.416

Sweetspot

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



96, 51.964, 118.418



99, 15.817, 120.124



80, 34.427, 45.940



53, 10.490, 120.044



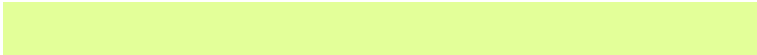
0, 0.000, 0.000



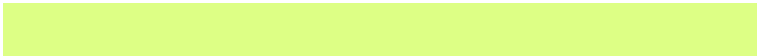
53, 0.007, 296.813

Same Dimension

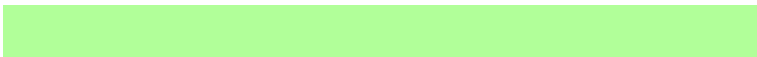
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 51.964, 118.418



95, 61.723, 117.989



93, 59.040, 135.636



53, 7.495, 120.277



71, 81.722, 118.660



24, 36.749, 117.362

Inverse Universe

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



69, 56.756, 303.931



63, 68.920, 304.715



74, 60.310, 319.542



49, 7.643, 301.437



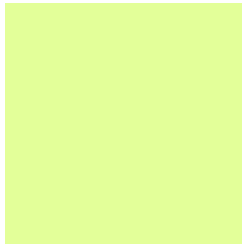
25, 105.063, 307.991



4, 44.706, 307.124

Previews

White Background



This preview shows how the CIELCh color 96, 51.962, 118.416 looks on a white background.

Color Contrast Check

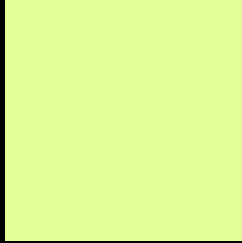
Large Text (above 18pt) WCAG AA × Fail

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, 51.962, 118.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

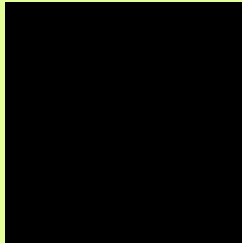
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

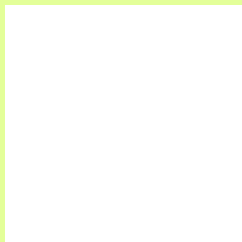
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 51.962, 118.416

Background



This preview shows how black text looks on a background with the CIELCh color 96, 51.962, 118.416.

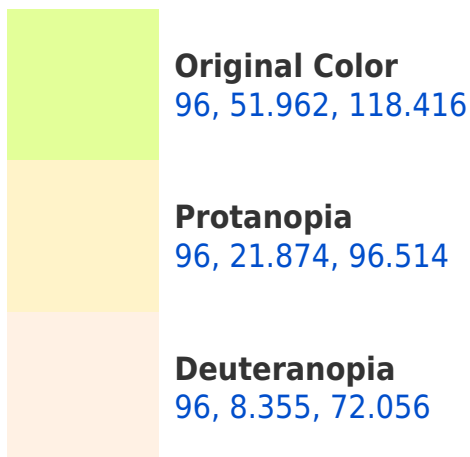



This preview shows how white text looks on a background with the CIELCh color 96, 51.962, 118.416.

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



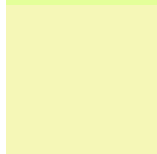


Tritanopia
96, 6.674, 290.701

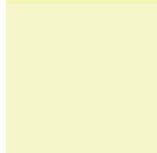
Trichromacy



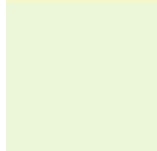
Original Color
96, 51.962, 118.416



Protanomaly
96, 32.407, 109.009



Deuteranomaly
96, 22.885, 109.336

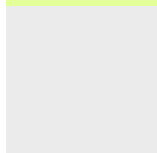


Tritanomaly
96, 15.349, 124.152

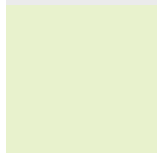
Monochromacy



Original Color
96, 51.962, 118.416



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 19.295, 119.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 51.962, 118.416 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, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 153)  
}
```

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, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 51.962, 118.416 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, 255, 153) }
```

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

```
.border{ border-color:rgb(227, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 51.962, 118.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 153) }
```

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

```
.background{ background-color: rgb(227,  
255, 153) }
```

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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