

Converting Colors

CIELCh(100, 64.305, 120.897)

Have a look what the booklet for
CIELCh(100, 64.305, 120.897)
contains.

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Color

CIElCh(96, 56.563, 117.160)

Conversions

Conversions Part 1

Format	Color
Hex	E3FF8F
RGB	227, 255, 143
RGB Percent	89%, 100%, 56%
CMY	0.1090, 0.0000, 0.4384
CMYK	0.11, 0.00, 0.44, 0.00
HSL	75°, 100%, 78%
HSV	75°, 44%, 100%
XYZ	72.5442, 90.0078, 39.6139
YIQ	233.8600, 19.2640, -40.7680

Conversions

Conversions Part 2

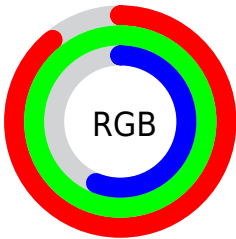
Format	Color
RYB	143, 255, 171
Decimal	14942095
CIELab	96.00, -25.82, 50.33
CIELCh	96, 56.563, 117.160
Yxy	90.0078, 0.3588, 0.4452
Android (android.graphics.Color)	4293132175 (0xFFE3FF8F)
YUV	233.8600, -44.7940, -6.0162
Hunter-Lab	94.8724, -29.5367, 41.6542

Details

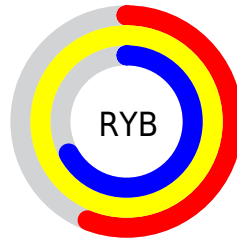
The CIELCh color **96, 56.563, 117.160** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66, 62.503, 303.513**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 28.732, 107.994**, and **76, 56.398, 117.059** is the 20% darker color. If you saturate the color by 10%, you get **95, 68.223, 116.588**, and if you desaturate by 10%, it is **97, 44.029, 117.701**.

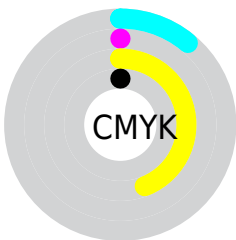
Distribution



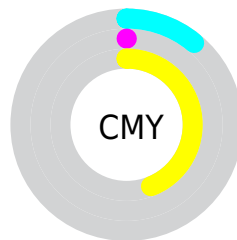
- Red (89%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 56.563, 117.160 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, 56.563, 117.160 by changing the saturation by 10% instead.


 96, 56.563,
117.160


 96, 56.563,
117.160


 100, 56.563,
117.160


 86, 56.563,
117.160

 76, 56.563,
117.160

 66, 56.563,
117.160

 56, 56.563,
117.160

 46, 56.563,
117.160

 36, 56.563,
117.160

 26, 56.563,

117.160

■ 16, 56.563,
117.160

■ 6, 56.563, 117.160

■ 96, 56.563,
117.160

■ 96, 56.563,
117.160

■ 95, 68.223,
116.588

■ 97, 44.029,
117.701

■ 95, 78.941,
116.223

■ 98, 31.211,
118.338

■ 94, 88.071,
116.096

■ 99, 18.177,
118.984

■ 94, 95.001,
116.315

■ 100, 5.044,
119.623

■ 93, 99.293,
116.967

100, 0.012,
296.813

■ 93, 100.836,
117.554

Harmonies

Complementary

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



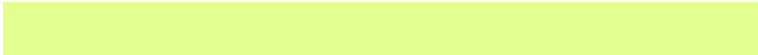
96, 56.563, 117.160



66, 62.503, 303.513

Rectangle

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



96, 56.563, 117.160



96, 56.563, 167.160



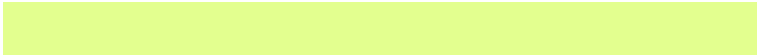
96, 56.563, 297.160



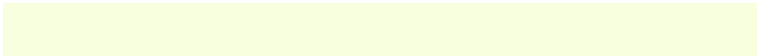
96, 56.563, 347.160

Sweetspot

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



96, 56.455, 117.103



99, 17.071, 119.038



77, 38.931, 42.684



52, 11.941, 118.896



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

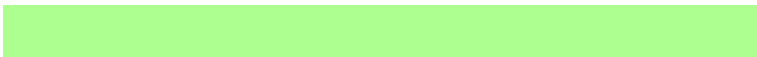
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 56.455, 117.103



95, 67.265, 116.627



93, 63.846, 134.464



53, 7.468, 119.262



72, 81.121, 117.330



25, 36.534, 116.121

Inverse Universe

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



66, 62.503, 303.513



59, 76.550, 304.503



72, 65.630, 318.652



49, 7.620, 300.478



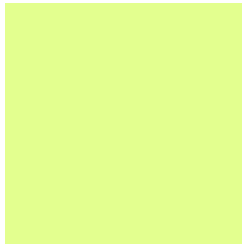
25, 105.485, 307.701



4, 44.655, 306.549

Previews

White Background



This preview shows how the CIE LCh color 96, 56.563, 117.160 looks on a white background.

Color Contrast Check

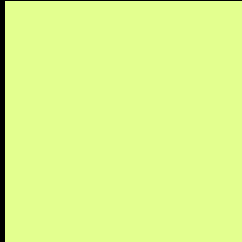
Large Text (above 18pt) WCAG AA × Fail

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, 56.563, 117.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

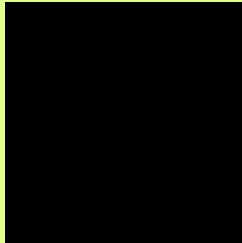
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

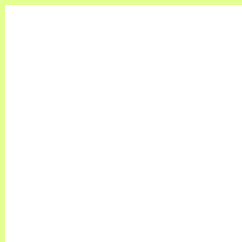
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 56.563, 117.160

Background



This preview shows how black text looks on a background with the CIELCh color 96, 56.563, 117.160.

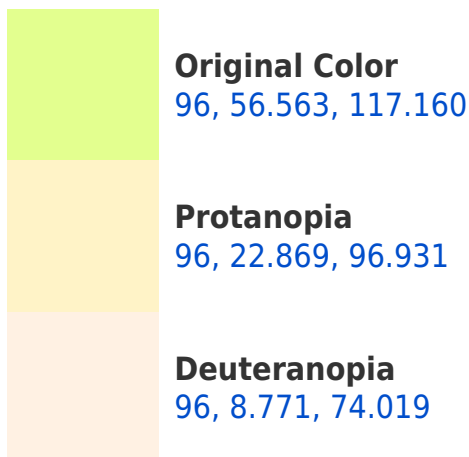



This preview shows how white text looks on a background with the CIELCh color 96, 56.563, 117.160.

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](#).

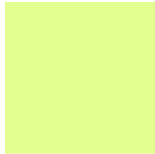
Dichromacy



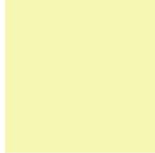


Tritanopia
96, 6.674, 290.701

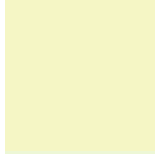
Trichromacy



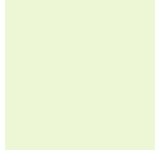
Original Color
96, 56.563, 117.160



Protanomaly
96, 34.397, 108.780



Deuteranomaly
96, 24.902, 109.105

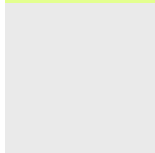


Tritanomaly
96, 17.234, 121.151

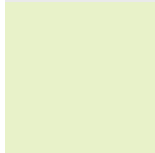
Monochromacy



Original Color
96, 56.563, 117.160



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 21.293, 118.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 56.563, 117.160 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 56.563, 117.160 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, 143) }
```

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

```
.border{ border-color:rgb(227, 255, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 56.563, 117.160 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, 143) }
```

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

```
.background{ background-color: rgb(227,  
255, 143) }
```

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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