

Converting Colors

CIELCh(96, 40.802, 124.164)

Have a look what the booklet for
CIELCh(96, 40.802, 124.164)
contains.

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Color

CIELCh(96, 40.562, 124.049)

Conversions

Conversions Part 1

Format	Color
Hex	DFFEB1
RGB	223, 254, 177
RGB Percent	87%, 100%, 69%
CMY	0.1243, 0.0027, 0.3047
CMYK	0.12, 0.00, 0.30, 0.00
HSL	84°, 98%, 85%
HSV	84°, 30%, 100%
XYZ	74.0351, 90.0078, 55.2223
YIQ	235.9530, 6.2410, -30.5190

Conversions

Conversions Part 2

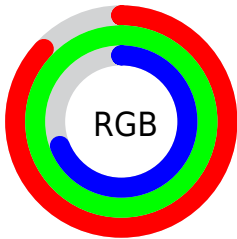
Format	Color
RYB	177, 254, 208
Decimal	14679729
CIELab	96.00, -22.71, 33.61
CIELCh	96, 40.562, 124.049
Yxy	90.0078, 0.3377, 0.4105
Android (android.graphics.Color)	4292869809 (0xFFDFFEB1)
YUV	235.9530, -29.0638, -11.3598
Hunter-Lab	94.8724, -26.7317, 31.8998

Details

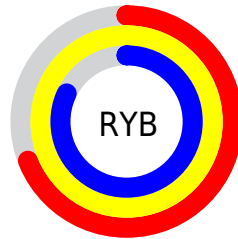
The CIELCh color **96, 40.562, 124.049** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **77, 42.750, 307.325**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **76, 40.259, 124.052** is the 20% darker color. If you saturate the color by 10%, you get **95, 53.578, 123.547**, and if you desaturate by 10%, it is **97, 27.262, 124.575**.

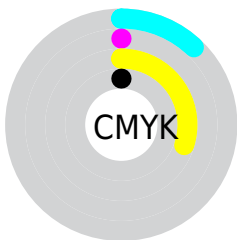
Distribution



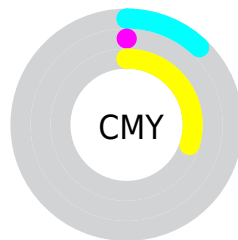
- Red (87%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (82%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 40.562, 124.049 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, 40.562, 124.049 by changing the saturation by 10% instead.


 96, 40.562,
124.049


 96, 40.562,
124.049


 100, 40.562,
124.049


 86, 40.562,
124.049

 76, 40.562,
124.049

 66, 40.562,
124.049

 56, 40.562,
124.049

 46, 40.562,
124.049

 36, 40.562,
124.049

 26, 40.562,

124.049

■ 16, 40.562,
124.049

■ 6, 40.562, 124.049

■ 96, 40.562,
124.049

■ 96, 40.562,
124.049

■ 95, 53.578,
123.547

■ 97, 27.262,
124.575

■ 94, 66.072,
123.104

■ 98, 13.829,
125.095

■ 93, 77.707,
122.787

■ 100, 0.371,
125.857

■ 92, 88.004,
122.690

■ 100, 0.431,
323.738

■ 92, 96.372,
122.936

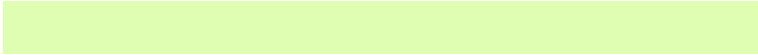
■ 91, 102.272,
123.645

■ 91, 105.705,
124.772

Harmonies

Complementary

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



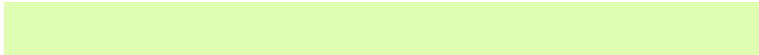
96, 40.562, 124.049



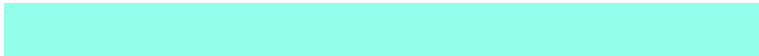
77, 42.750, 307.325

Rectangle

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



96, 40.562, 124.049



96, 40.562, 174.049



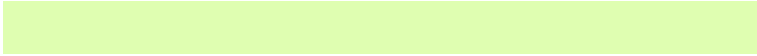
96, 40.562, 304.049



96, 40.562, 354.049

Sweetspot

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



96, 40.564, 124.051



99, 12.125, 125.161



87, 24.536, 60.819



53, 8.427, 125.086



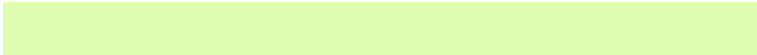
0, 0.000, 0.000



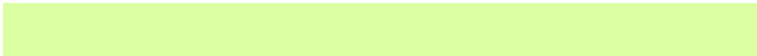
53, 0.007, 296.813

Same Dimension

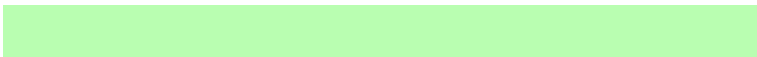
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 40.564, 124.051



96, 48.154, 123.758



94, 46.733, 139.861



53, 7.660, 125.135



70, 85.115, 124.492



24, 38.008, 122.939

Inverse Universe

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



77, 42.750, 307.325



73, 51.329, 307.708



81, 47.015, 323.185



49, 7.788, 306.073



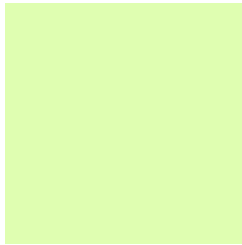
28, 102.619, 309.888



5, 44.898, 310.260

Previews

White Background



This preview shows how the CIE LCh color 96, 40.562, 124.049 looks on a white background.

Color Contrast Check

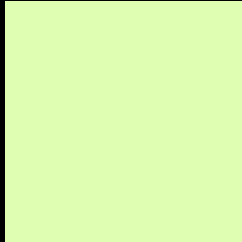
Large Text (above 18pt) WCAG AA × Fail

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, 40.562, 124.049 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

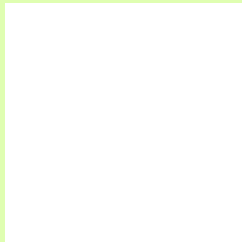
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 40.562, 124.049

Background



This preview shows how black text looks on a background with the CIELCh color 96, 40.562, 124.049.

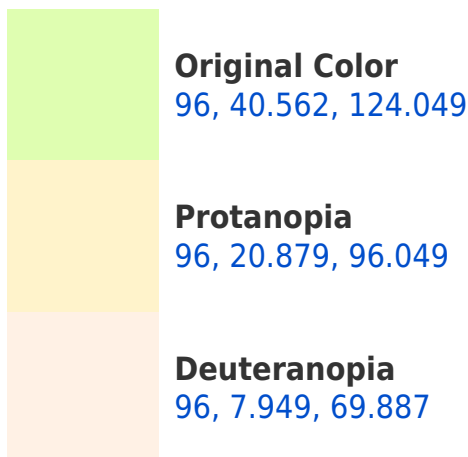


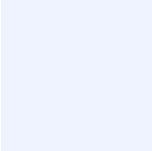
This preview shows how white text looks on a background with the CIELCh color 96, 40.562, 124.049.

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



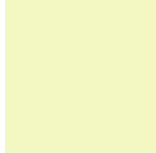


Tritanopia
96, 6.286, 278.034

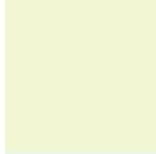
Trichromacy



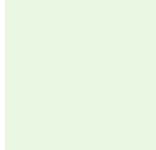
Original Color
96, 40.562, 124.049



Protanomaly
96, 26.944, 111.305



Deuteranomaly
96, 18.370, 112.220

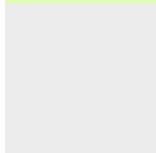


Tritanomaly
96, 11.426, 135.404

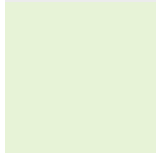
Monochromacy



Original Color
96, 40.562, 124.049



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 15.012, 125.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 40.562, 124.049 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(223, 254, 177)` looks like.

```
.text, #text, p{  
    color:rgb(223, 254, 177)  
}
```

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(223, 254, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 254, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 40.562, 124.049 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(223, 254, 177) }
```

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

```
.border{ border-color:rgb(223, 254, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 254, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 254, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 254, 177);  
box-shadow:4px 4px 4px 4px rgb(223, 254,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 40.562, 124.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 254, 177) }
```

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

```
.background{ background-color: rgb(223,  
254, 177) }
```

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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