

Converting Colors

CIELCh(96, 40.201, 122.554)

Have a look what the booklet for
CIELCh(96, 40.201, 122.554)
contains.

CIELCh(96, 40.228, 122.548)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 40.228, 122.548)

Conversions

Conversions Part 1

Format	Color
Hex	E2FEB1
RGB	226, 254, 177
RGB Percent	89%, 100%, 69%
CMY	0.1147, 0.0049, 0.3068
CMYK	0.11, 0.00, 0.30, 0.00
HSL	82°, 97%, 84%
HSV	82°, 30%, 100%
XYZ	74.5518, 90.0078, 54.9094
YIQ	236.8500, 8.0290, -29.8830

Conversions

Conversions Part 2

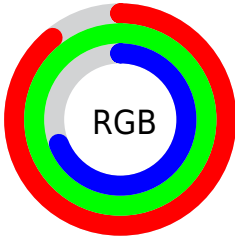
Format	Color
RYB	177, 254, 205
Decimal	14876337
CIELab	96.00, -21.64, 33.91
CIELCh	96, 40.228, 122.548
Yxy	90.0078, 0.3397, 0.4101
Android (android.graphics.Color)	4293066417 (0xFFE2FEB1)
YUV	236.8500, -29.5060, -9.5154
Hunter-Lab	94.8724, -25.7595, 32.0954

Details

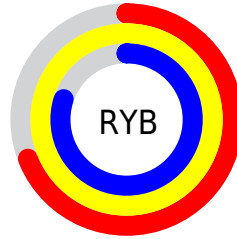
The CIELCh color **96, 40.228, 122.548** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **77, 42.556, 306.029**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **76, 39.894, 122.463** is the 20% darker color. If you saturate the color by 10%, you get **95, 53.089, 122.027**, and if you desaturate by 10%, it is **97, 27.075, 123.096**.

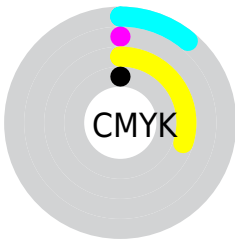
Distribution



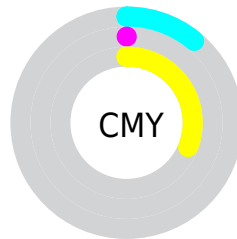
- Red (89%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (80%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 40.228, 122.548 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, 40.228, 122.548 by changing the saturation by 10% instead.

 96, 40.228,
122.548

 96, 40.228,
122.548


 100, 40.228,
122.548


 86, 40.228,
122.548

 76, 40.228,
122.548

 66, 40.228,
122.548

 56, 40.228,
122.548

 46, 40.228,
122.548

 36, 40.228,
122.548

 26, 40.228,

122.548

■ 16, 40.228,
122.548

■ 6, 40.228, 122.548

■ 96, 40.228,
122.548

■ 96, 40.228,
122.548

■ 95, 53.089,
122.027

■ 97, 27.075,
123.096

■ 94, 65.421,
121.567

■ 98, 13.777,
123.641

■ 93, 76.887,
121.236

■ 100, 0.443,
124.349

■ 93, 87.008,
121.124

■ 100, 0.790,
324.077

■ 92, 95.192,
121.350

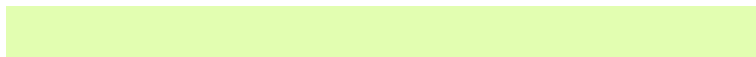
■ 91, 100.905,
122.032

■ 91, 104.148,
123.121

Harmonies

Complementary

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



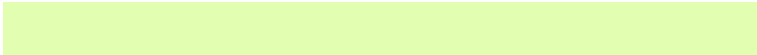
96, 40.228, 122.548



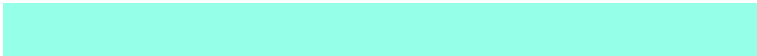
77, 42.556, 306.029

Rectangle

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



96, 40.228, 122.548



96, 40.228, 172.548



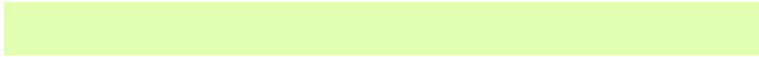
96, 40.228, 302.548



96, 40.228, 352.548

Sweetspot

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



96, 40.230, 122.550



99, 12.037, 123.713



86, 24.517, 55.259



53, 8.365, 123.634



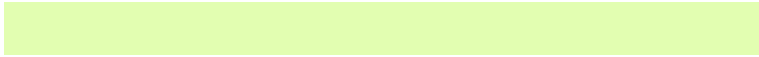
0, 0.000, 0.000



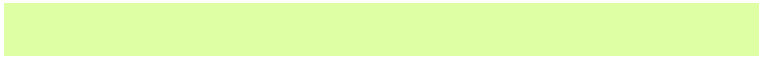
53, 0.007, 296.813

Same Dimension

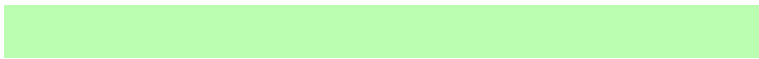
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 40.230, 122.550



96, 47.746, 122.248



94, 45.997, 138.553



53, 7.604, 123.686



71, 84.028, 122.850



24, 37.596, 121.344

Inverse Universe

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



77, 42.556, 306.029



73, 51.125, 306.443



80, 46.448, 321.690



49, 7.739, 304.680



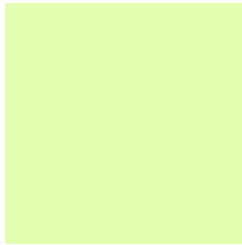
27, 103.414, 309.227



5, 44.855, 309.261

Previews

White Background



This preview shows how the CIELCh color 96, 40.228, 122.548 looks on a white background.

Color Contrast Check

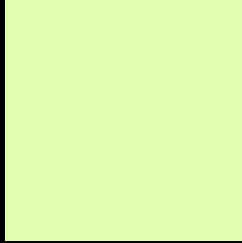
Large Text (above 18pt) WCAG AA × Fail

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, 40.228, 122.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

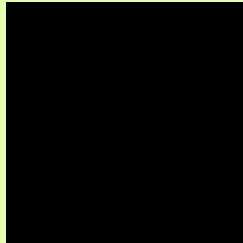
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

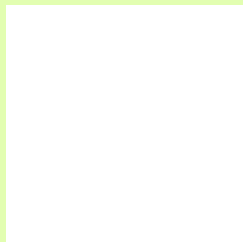
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 40.228, 122.548

Background



This preview shows how black text looks on a background with the CIELCh color 96, 40.228, 122.548.

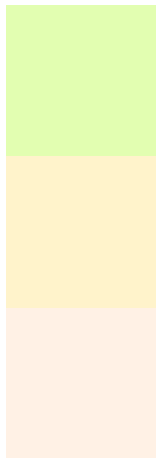


This preview shows how white text looks on a background with the CIELCh color 96, 40.228, 122.548.

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

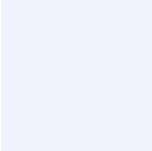
96, 40.228, 122.548

Protanopia

96, 20.879, 96.049

Deuteranopia

96, 7.949, 69.887

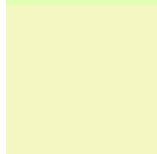


Tritanopia
96, 6.226, 281.124

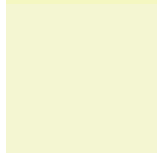
Trichromacy



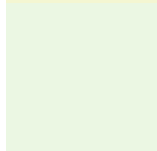
Original Color
96, 40.228, 122.548



Protanomaly
96, 27.424, 110.423



Deuteranomaly
96, 18.347, 111.068

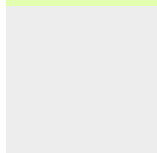


Tritanomaly
96, 11.120, 132.157

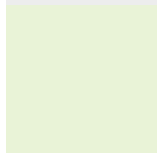
Monochromacy



Original Color
96, 40.228, 122.548



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 14.805, 123.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 40.228, 122.548 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(226, 254, 177)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 254, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 254, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 40.228, 122.548 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(226, 254, 177) }
```

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

```
.border{ border-color:rgb(226, 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(226, 254, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 254, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 254, 177);  
box-shadow:4px 4px 4px 4px rgb(226, 254,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 40.228, 122.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 254, 177) }
```

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

```
.background{ background-color: rgb(226,  
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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