

Converting Colors

CIELCh(100, 51.685, 125.729)

Have a look what the booklet for
CIELCh(100, 51.685, 125.729)
contains.

CIELCh(96, 43.725, 122.152)	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, 43.725, 122.152)

Conversions

Conversions Part 1

Format	Color
Hex	E0FEAA
RGB	224, 254, 170
RGB Percent	88%, 100%, 67%
CMY	0.1198, 0.0021, 0.3314
CMYK	0.12, 0.00, 0.33, 0.00
HSL	81°, 99%, 83%
HSV	81°, 33%, 100%
XYZ	73.7659, 90.0078, 51.7543
YIQ	235.4540, 9.0840, -32.4840

Conversions

Conversions Part 2

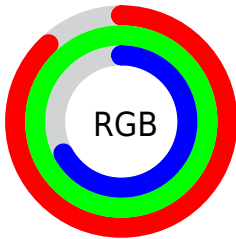
Format	Color
RYB	170, 254, 200
Decimal	14745258
CIELab	96.00, -23.27, 37.02
CIElCh	96, 43.725, 122.152
Yxy	90.0078, 0.3423, 0.4176
Android (android.graphics.Color)	4292935338 (0xFFE0FEAA)
YUV	235.4540, -32.2688, -10.0452
Hunter-Lab	94.8724, -27.2382, 34.0671

Details

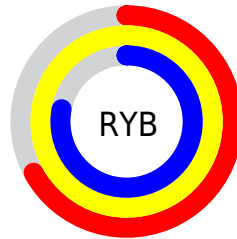
The CIELCh color **96, 43.725, 122.152** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **75, 46.547, 306.008**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **76, 43.517, 121.995** is the 20% darker color. If you saturate the color by 10%, you get **95, 56.480, 121.639**, and if you desaturate by 10%, it is **97, 30.623, 122.701**.

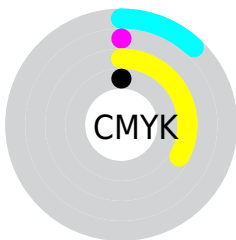
Distribution



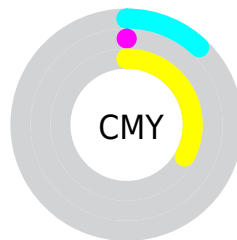
- Red (88%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 43.725, 122.152 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, 43.725, 122.152 by changing the saturation by 10% instead.


 96, 43.725,
122.152


 96, 43.725,
122.152


 100, 43.725,
122.152


 86, 43.725,
122.152

 76, 43.725,
122.152

 66, 43.725,
122.152

 56, 43.725,
122.152

 46, 43.725,
122.152

 36, 43.725,
122.152

 26, 43.725,

122.152

■ 16, 43.725,
122.152

■ 6, 43.725, 122.152

■ 96, 43.725,
122.152

■ 96, 43.725,
122.152

■ 95, 56.480,
121.639

■ 97, 30.623,
122.701

■ 94, 68.625,
121.203

■ 98, 17.339,
123.252

■ 93, 79.787,
120.916

■ 99, 3.992, 123.801

■ 93, 89.448,
120.878

100, 0.349,
323.568

■ 92, 97.006,
121.211

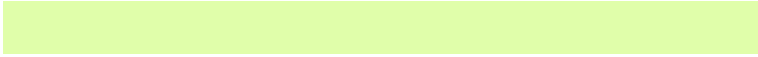
■ 92, 101.994,
122.021

■ 91, 104.146,
122.838

Harmonies

Complementary

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



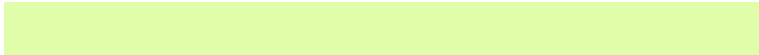
96, 43.725, 122.152



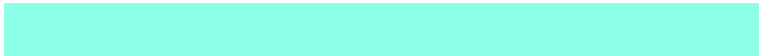
75, 46.547, 306.008

Rectangle

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



96, 43.725, 122.152



96, 43.725, 172.152



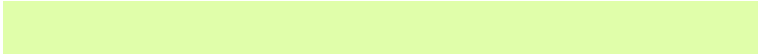
96, 43.725, 302.152



96, 43.725, 352.152

Sweetspot

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



96, 43.727, 122.154



99, 13.360, 123.416



85, 26.988, 55.067



53, 9.115, 123.339



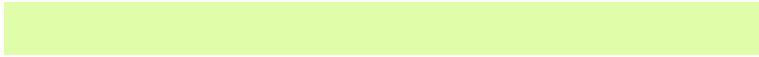
0, 0.000, 0.000



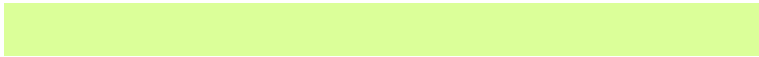
53, 0.007, 296.813

Same Dimension

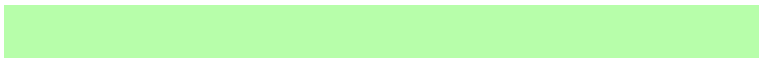
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 43.727, 122.154



96, 52.795, 121.788



94, 50.098, 138.366



53, 7.596, 123.443



71, 83.851, 122.567



24, 37.530, 121.070

Inverse Universe

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



75, 46.547, 306.008



70, 57.088, 306.540



79, 50.620, 321.809



49, 7.731, 304.448



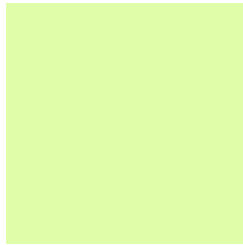
27, 103.542, 309.124



5, 44.847, 309.099

Previews

White Background



This preview shows how the CIELCh color 96, 43.725, 122.152 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, 43.725, 122.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

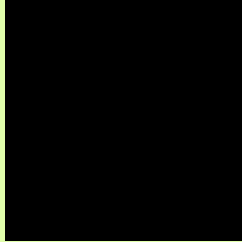
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 43.725, 122.152

Background



This preview shows how black text looks on a background with the CIELCh color 96, 43.725, 122.152.

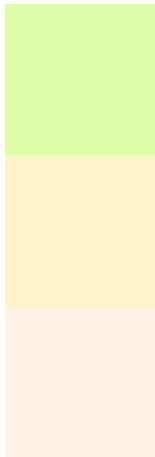


This preview shows how white text looks on a background with the CIELCh color 96, 43.725, 122.152.

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](#).

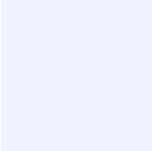
Dichromacy



Original Color
96, 43.754, 122.145

Protanopia
96, 21.376, 96.287

Deuteranopia
96, 7.949, 69.887

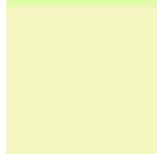


Tritanopia
96, 6.286, 278.034

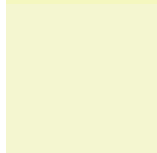
Trichromacy



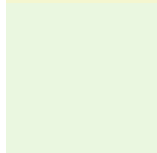
Original Color
96, 43.754, 122.145



Protanomaly
96, 28.426, 110.266



Deuteranomaly
96, 19.360, 110.874

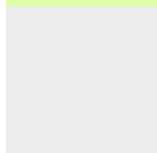


Tritanomaly
96, 12.681, 130.927

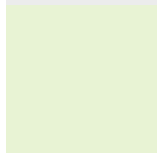
Monochromacy



Original Color
96, 43.754, 122.145



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 16.384, 123.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 43.725, 122.152 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(224, 254, 170)` looks like.

```
.text, #text, p{  
    color:rgb(224, 254, 170)  
}
```

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(224, 254, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 254, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 43.725, 122.152 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(224, 254, 170) }
```

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

```
.border{ border-color:rgb(224, 254, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 254, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 254, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 254, 170);  
box-shadow:4px 4px 4px 4px rgb(224, 254,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 43.725, 122.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 254, 170) }
```

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

```
.background{ background-color: rgb(224,  
254, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor