

Converting Colors

CIECh(96, 45.106, 122.126)

Have a look what the booklet for
CIELCh(96, 45.106, 122.126)
contains.

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Color

CIELCh(96, 45.243, 122.056)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFA8
RGB	224, 255, 168
RGB Percent	88%, 100%, 66%
CMY	0.1224, 0.0009, 0.3420
CMYK	0.12, 0.00, 0.34, 0.00
HSL	81°, 99%, 83%
HSV	81°, 34%, 100%
XYZ	73.4083, 90.0078, 50.4470
YIQ	235.8130, 9.4510, -33.6290

Conversions

Conversions Part 2

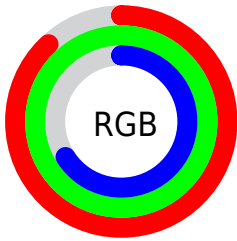
Format	Color
RYB	168, 255, 199
Decimal	14745512
CIELab	96.00, -24.01, 38.34
CIElCh	96, 45.243, 122.056
Yxy	90.0078, 0.3432, 0.4209
Android (android.graphics.Color)	4292935592 (0xFFE0FFA8)
YUV	235.8130, -33.4318, -10.3600
Hunter-Lab	94.8724, -27.9109, 34.8842

Details

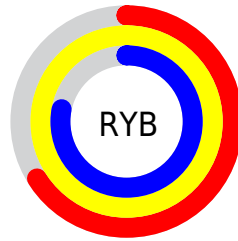
The CIELCh color **96, 45.243, 122.056** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **74, 48.288, 306.064**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 15.682, 108.992**, and **76, 45.038, 121.888** is the 20% darker color. If you saturate the color by 10%, you get **95, 57.953, 121.549**, and if you desaturate by 10%, it is **97, 32.160, 122.604**.

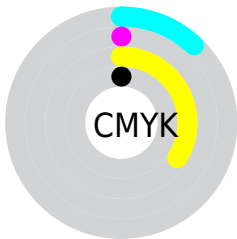
Distribution



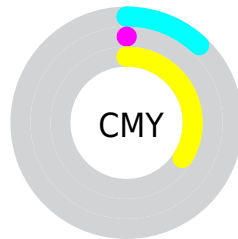
- Red (88%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 45.243, 122.056 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, 45.243, 122.056 by changing the saturation by 10% instead.


 96, 45.243,
122.056


 96, 45.243,
122.056


 100, 45.243,
122.056


 86, 45.243,
122.056

 76, 45.243,
122.056

 66, 45.243,
122.056

 56, 45.243,
122.056

 46, 45.243,
122.056

 36, 45.243,
122.056

 26, 45.243,

122.056

■ 16, 45.243,
122.056

■ 6, 45.243, 122.056

■ 96, 45.243,
122.056

■ 96, 45.243,
122.056

■ 95, 57.953,
121.549

■ 97, 32.160,
122.604

■ 94, 70.017,
121.125

■ 98, 18.878,
123.156

■ 93, 81.044,
120.861

■ 99, 5.523, 123.703

■ 93, 90.502,
120.858

100, 0.146,
322.325

■ 92, 97.786,
121.241

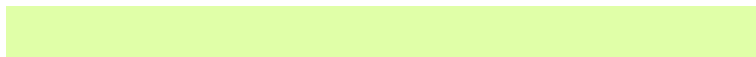
■ 92, 102.470,
122.108

■ 91, 104.218,
122.800

Harmonies

Complementary

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



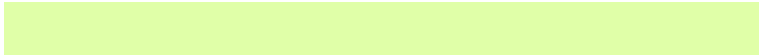
96, 45.243, 122.056



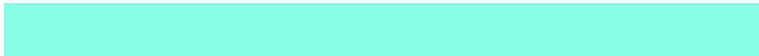
74, 48.288, 306.064

Rectangle

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



96, 45.243, 122.056



96, 45.243, 172.056



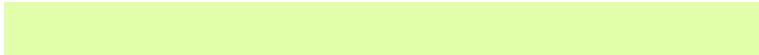
96, 45.243, 302.056



96, 45.243, 352.056

Sweetspot

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



96, 45.245, 122.058



99, 13.358, 123.382



84, 28.069, 54.985



53, 9.114, 123.306



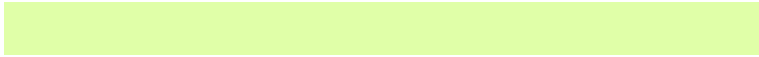
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

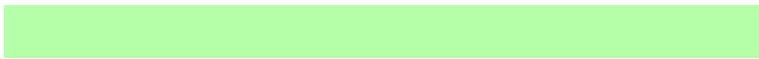
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 45.245, 122.058



95, 54.052, 121.702



93, 51.861, 138.285



53, 7.594, 123.409



71, 83.827, 122.528



24, 37.521, 121.033

Inverse Universe

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



74, 48.288, 306.064



69, 58.589, 306.590



78, 52.414, 321.860



49, 7.730, 304.416



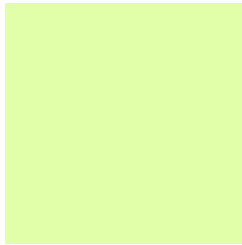
27, 103.559, 309.111



5, 44.845, 309.077

Previews

White Background



This preview shows how the CIELCh color 96, 45.243, 122.056 looks on a white background.

Color Contrast Check

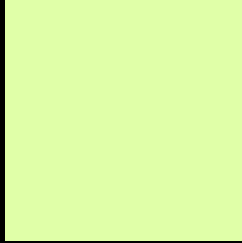
Large Text (above 18pt) WCAG AA × Fail

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, 45.243, 122.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

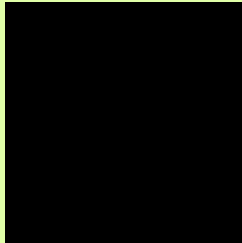
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

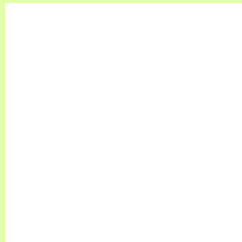
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 45.243, 122.056

Background



This preview shows how black text looks on a background with the CIELCh color 96, 45.243, 122.056.

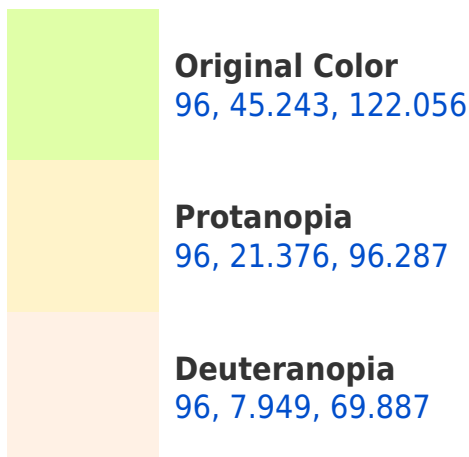


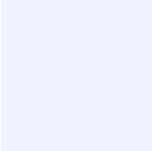
This preview shows how white text looks on a background with the CIELCh color 96, 45.243, 122.056.

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](#).

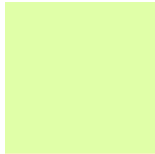
Dichromacy



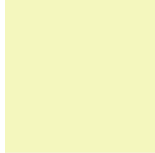


Tritanopia
96, 6.286, 278.034

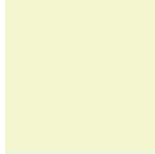
Trichromacy



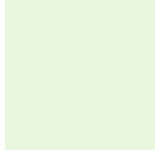
Original Color
96, 45.243, 122.056



Protanomaly
96, 28.927, 110.189



Deuteranomaly
96, 19.866, 110.781

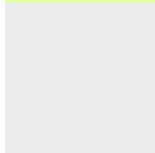


Tritanomaly
96, 13.295, 131.523

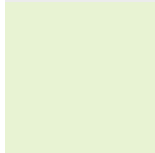
Monochromacy



Original Color
96, 45.243, 122.056



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 16.879, 122.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 45.243, 122.056 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, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 168)  
}
```

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, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 45.243, 122.056 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, 255, 168) }
```

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

```
.border{ border-color:rgb(224, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 45.243, 122.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 168) }
```

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

```
.background{ background-color: rgb(224,  
255, 168) }
```

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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