

Converting Colors

CIELCh(98, 46.955, 131.718)

Have a look what the booklet for
CIELCh(98, 46.955, 131.718)
contains.

CIELCh(96, 41.211, 130.236)	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, 41.211, 130.236)

Conversions

Conversions Part 1

Format	Color
Hex	D5FFB5
RGB	213, 255, 181
RGB Percent	84%, 100%, 71%
CMY	0.1631, 0.0000, 0.2887
CMYK	0.16, 0.00, 0.29, 0.00
HSL	94°, 100%, 86%
HSV	94°, 29%, 100%
XYZ	72.1639, 90.0078, 57.4836
YIQ	234.0060, -1.2780, -31.9180

Conversions

Conversions Part 2

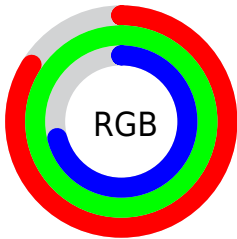
Format	Color
RYB	181, 255, 223
Decimal	14024629
CIELab	96.00, -26.62, 31.46
CIELCh	96, 41.211, 130.236
Yxy	90.0078, 0.3285, 0.4098
Android (android.graphics.Color)	4292214709 (0xFFD5FFB5)
YUV	234.0060, -26.1320, -18.4223
Hunter-Lab	94.8724, -30.2524, 30.4867

Details

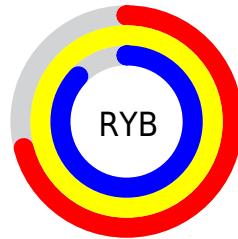
The CIELCh color **96, 41.211, 130.236** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80, 41.786, 312.619**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 9.112, 109.487**, and **76, 40.390, 130.382** is the 20% darker color. If you saturate the color by 10%, you get **94, 54.084, 129.478**, and if you desaturate by 10%, it is **97, 26.420, 130.461**.

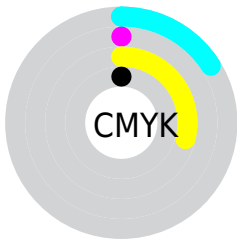
Distribution



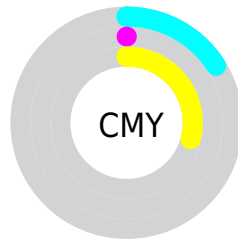
- Red (84%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (87%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 41.211, 130.236 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, 41.211, 130.236 by changing the saturation by 10% instead.


 96, 41.211,
130.236


 96, 41.211,
130.236


 100, 41.211,
130.236


 86, 41.211,
130.236

 76, 41.211,
130.236

 66, 41.211,
130.236

 56, 41.211,
130.236

 46, 41.211,
130.236

 36, 41.211,
130.236

 26, 41.211,

130.236

■ 16, 41.211,
130.236

■ 6, 41.211, 130.236

■ 96, 41.211,
130.236

■ 96, 41.211,
130.236

■ 94, 54.084,
129.478

■ 97, 26.420,
130.461

■ 93, 67.328,
129.018

■ 99, 12.399,
130.931

■ 92, 79.764,
128.650

100, 0.012,
296.813

■ 91, 90.923,
128.469

■ 91, 100.210,
128.600

■ 90, 107.046,
129.172

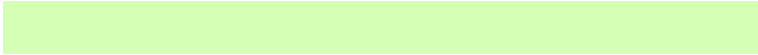
■ 89, 111.292,
130.212

■ 89, 111.691,
130.333

Harmonies

Complementary

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



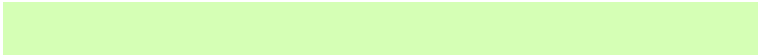
96, 41.211, 130.236



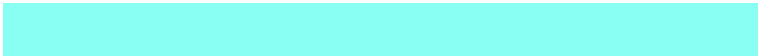
80, 41.786, 312.619

Rectangle

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



96, 41.211, 130.236



96, 41.211, 180.236



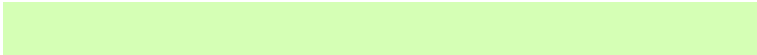
96, 41.211, 310.236



96, 41.211, 0.236

Sweetspot

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



96, 40.370, 129.972



99, 12.574, 130.925



90, 24.754, 76.859



52, 8.742, 130.858



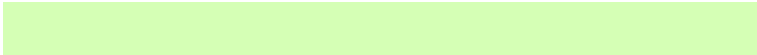
0, 0.000, 0.000



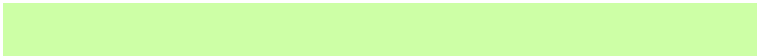
53, 0.007, 296.813

Same Dimension

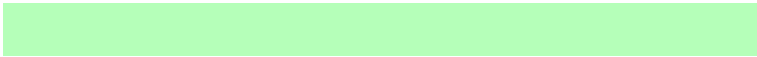
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 40.370, 129.972



95, 48.812, 129.668



94, 44.584, 143.754



52, 7.945, 130.902



69, 89.698, 130.062



23, 39.848, 128.598

Inverse Universe

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



80, 41.786, 312.619



75, 50.925, 312.921



83, 44.596, 327.438



49, 8.041, 311.694



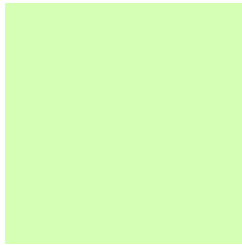
32, 99.140, 313.443



7, 44.782, 314.677

Previews

White Background



This preview shows how the CIELCh color 96, 41.211, 130.236 looks on a white background.

Color Contrast Check

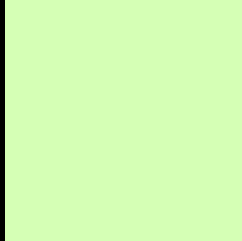
Large Text (above 18pt) WCAG AA × Fail

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, 41.211, 130.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

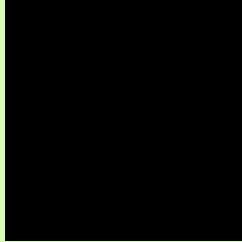
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

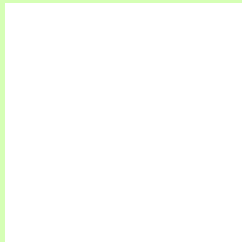
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 41.211, 130.236

Background



This preview shows how black text looks on a background with the CIELCh color 96, 41.211, 130.236.

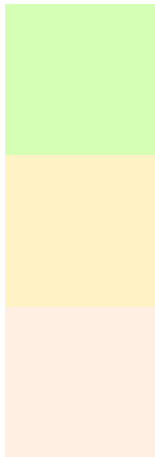


This preview shows how white text looks on a background with the CIELCh color 96, 41.211, 130.236.

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, 40.602, 130.060

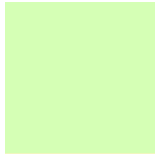
Protanopia
95, 23.464, 96.196

Deuteranopia
95, 8.454, 66.043

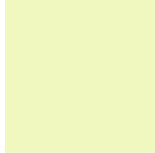


Tritanopia
95, 6.985, 261.386

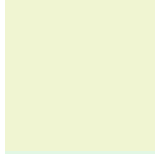
Trichromacy



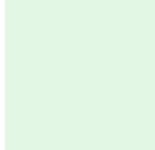
Original Color
96, 40.602, 130.060



Protanomaly
96, 28.542, 113.300

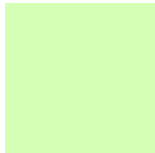


Deuteranomaly
95, 17.947, 114.697

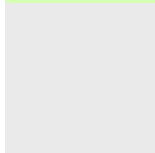


Tritanomaly
95, 12.331, 146.635

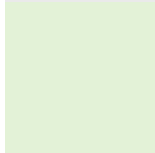
Monochromacy



Original Color
96, 40.602, 130.060



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 14.916, 130.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 41.211, 130.236 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(213, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 181)  
}
```

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(213, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 41.211, 130.236 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(213, 255, 181) }
```

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

```
.border{ border-color:rgb(213, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 41.211, 130.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 181) }
```

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

```
.background{ background-color: rgb(213,  
255, 181) }
```

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