

Converting Colors

CIELCh(96, 37.640, 129.636)

Have a look what the booklet for
CIELCh(96, 37.640, 129.636)
contains.

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Color

CIElCh(96, 37.707, 129.581)

Conversions

Conversions Part 1

Format	Color
Hex	D9FFBA
RGB	217, 255, 186
RGB Percent	85%, 100%, 73%
CMY	0.1481, 0.0000, 0.2697
CMYK	0.15, 0.00, 0.27, 0.00
HSL	93°, 100%, 87%
HSV	93°, 27%, 100%
XYZ	73.4020, 90.0078, 60.0804
YIQ	235.7720, -0.4990, -29.5150

Conversions

Conversions Part 2

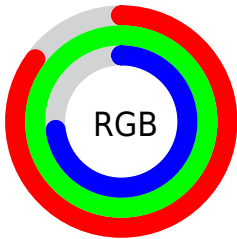
Format	Color
RYB	186, 255, 224
Decimal	14286778
CIELab	96.00, -24.03, 29.06
CIElCh	96, 37.707, 129.581
Yxy	90.0078, 0.3284, 0.4027
Android (android.graphics.Color)	4292476858 (0xFFD9FFBA)
YUV	235.7720, -24.5376, -16.4630
Hunter-Lab	94.8724, -27.9228, 28.8638

Details

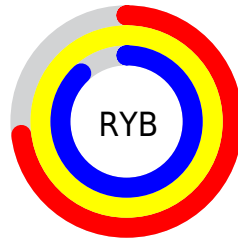
The CIELCh color **96, 37.707, 129.581** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81, 38.850, 312.013**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 6.580, 109.674**, and **76, 37.853, 129.634** is the 20% darker color. If you saturate the color by 10%, you get **95, 51.283, 129.041**, and if you desaturate by 10%, it is **97, 23.660, 130.019**.

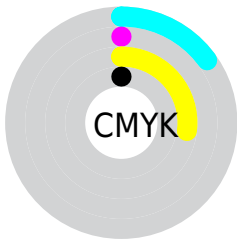
Distribution



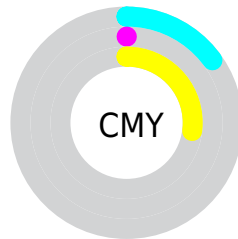
- Red (85%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (88%)



- Cyan (15%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 37.707, 129.581 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, 37.707, 129.581 by changing the saturation by 10% instead.


 96, 37.707,
129.581


 96, 37.707,
129.581


 100, 37.707,
129.581


 86, 37.707,
129.581

 76, 37.707,
129.581

 66, 37.707,
129.581

 56, 37.707,
129.581

 46, 37.707,
129.581

 36, 37.707,
129.581

 26, 37.707,

129.581

■ 16, 37.707,
129.581

■ 6, 37.707, 129.581

■ 96, 37.707,
129.581

■ 96, 37.707,
129.581

■ 95, 51.283,
129.041

■ 97, 23.660,
130.019

■ 94, 64.574,
128.576

■ 99, 9.697, 130.486

■ 92, 77.135,
128.193

100, 0.012,
296.813

■ 92, 88.522,
127.980

■ 91, 98.163,
128.055

■ 90, 105.460,
128.553

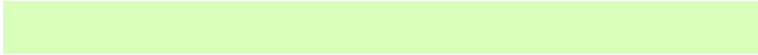
■ 90, 110.092,
129.549

■ 89, 111.163,
129.892

Harmonies

Complementary

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



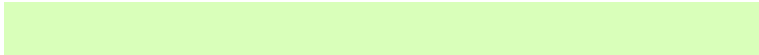
96, 37.707, 129.581



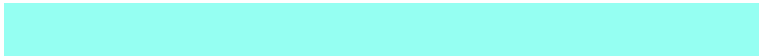
81, 38.850, 312.013

Rectangle

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



96, 37.707, 129.581



96, 37.707, 179.581



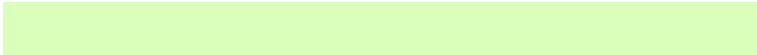
96, 37.707, 309.581



96, 37.707, 359.581

Sweetspot

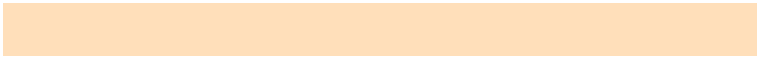
The Sweet Spot groups the original color and five complimentary colors.



96, 37.572, 129.533



99, 11.130, 130.439



91, 22.800, 75.455



52, 7.914, 130.369



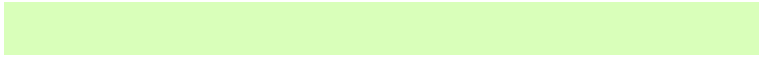
0, 0.000, 0.000



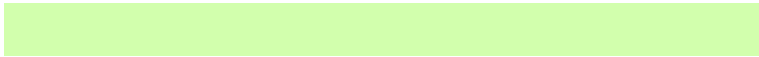
53, 0.007, 296.813

Same Dimension

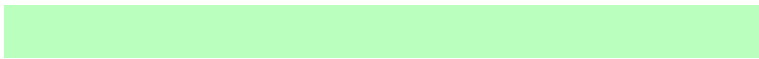
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 37.572, 129.533



95, 44.502, 129.285



94, 42.143, 143.465



52, 7.914, 130.369



69, 89.275, 129.616



23, 39.670, 128.126

Inverse Universe

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



81, 38.850, 312.013



77, 46.327, 312.266



84, 42.156, 326.848



49, 8.013, 311.169



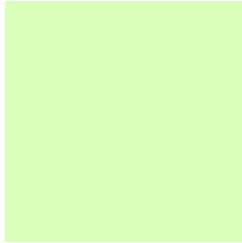
31, 99.471, 313.047



7, 44.821, 314.242

Previews

White Background



This preview shows how the CIE LCh color 96, 37.707, 129.581 looks on a white background.

Color Contrast Check

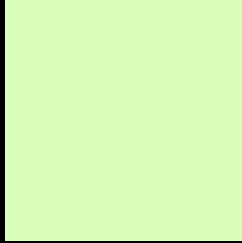
Large Text (above 18pt) WCAG AA × Fail

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, 37.707, 129.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

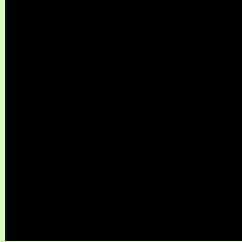
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

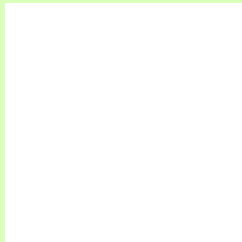
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 37.707, 129.581

Background



This preview shows how black text looks on a background with the CIELCh color 96, 37.707, 129.581.

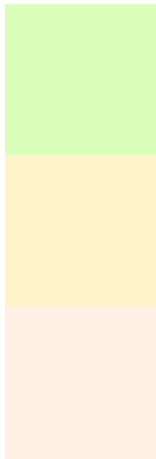


This preview shows how white text looks on a background with the CIELCh color 96, 37.707, 129.581.

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, 37.707, 129.581

Protanopia
96, 20.879, 96.049

Deuteranopia
96, 7.450, 62.820

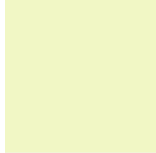


Tritanopia
96, 6.377, 261.736

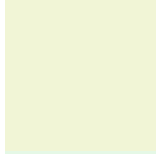
Trichromacy



Original Color
96, 37.707, 129.581



Protanomaly
96, 25.502, 113.284

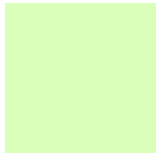


Deuteranomaly
96, 15.885, 114.260

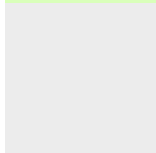


Tritanomaly
96, 11.477, 145.454

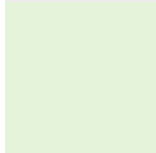
Monochromacy



Original Color
96, 37.707, 129.581



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 13.813, 130.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 37.707, 129.581 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(217, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 186)  
}
```

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(217, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 37.707, 129.581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

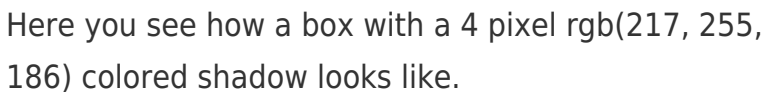
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 255, 186) }
```

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

```
.border{ border-color:rgb(217, 255, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 255, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 255, 186); box-shadow:4px 4px 4px 4px rgb(217, 255, 186) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 37.707, 129.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 186) }
```

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

```
.background{ background-color: rgb(217,  
255, 186) }
```

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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