

Converting Colors

CIELCh(96, 37.338, 128.566)

Have a look what the booklet for
CIELCh(96, 37.338, 128.566)
contains.

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Color

CIElCh(96, 37.421, 128.573)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFBA
RGB	219, 255, 186
RGB Percent	86%, 100%, 73%
CMY	0.1417, 0.0005, 0.2711
CMYK	0.14, 0.00, 0.27, 0.00
HSL	91°, 100%, 86%
HSV	91°, 27%, 100%
XYZ	73.7353, 90.0078, 59.8669
YIQ	236.3700, 0.6930, -29.0910

Conversions

Conversions Part 2

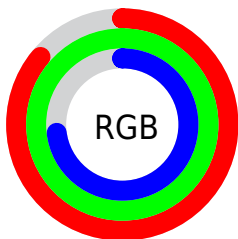
Format	Color
RYB	186, 255, 222
Decimal	14417850
CIELab	96.00, -23.33, 29.26
CIELCh	96, 37.421, 128.573
Yxy	90.0078, 0.3297, 0.4025
Android (android.graphics.Color)	4292607930 (0xFFDBFFBA)
YUV	236.3700, -24.8324, -15.2335
Hunter-Lab	94.8724, -27.2957, 28.9972

Details

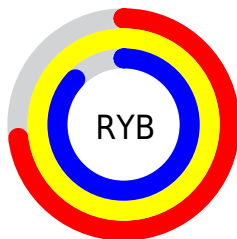
The CIELCh color **96, 37.421, 128.573** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81, 38.796, 311.111**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 6.580, 109.674**, and **76, 37.545, 128.588** is the 20% darker color. If you saturate the color by 10%, you get **95, 51.014, 128.085**, and if you desaturate by 10%, it is **97, 23.624, 129.062**.

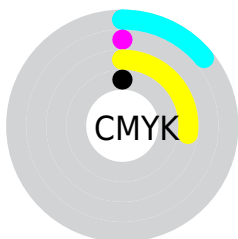
Distribution



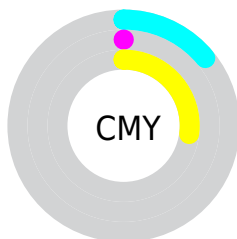
- Red (86%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (87%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 37.421, 128.573 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, 37.421, 128.573 by changing the saturation by 10% instead.


 96, 37.421,
128.573


 96, 37.421,
128.573


 100, 37.421,
128.573


 86, 37.421,
128.573

 76, 37.421,
128.573

 66, 37.421,
128.573

 56, 37.421,
128.573

 46, 37.421,
128.573

 36, 37.421,
128.573

 26, 37.421,

128.573

■ 16, 37.421,
128.573

■ 6, 37.421, 128.573

■ 96, 37.421,
128.573

■ 96, 37.421,
128.573

■ 95, 51.014,
128.085

■ 97, 23.624,
129.062

■ 94, 64.184,
127.627

■ 99, 9.766, 129.534

■ 93, 76.621,
127.258

100, 0.095,
321.168

■ 92, 87.887,
127.064

■ 91, 97.411,
127.165

■ 90, 104.599,
127.693

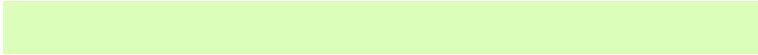
■ 90, 109.144,
128.724

■ 90, 110.166,
129.067

Harmonies

Complementary

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



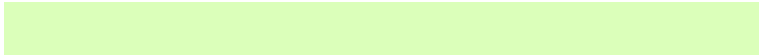
96, 37.421, 128.573



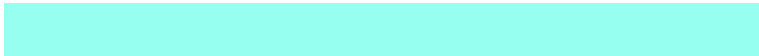
81, 38.796, 311.111

Rectangle

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



96, 37.421, 128.573



96, 37.421, 178.573



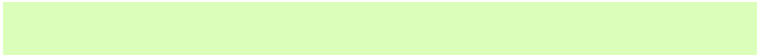
96, 37.421, 308.573



96, 37.421, 358.573

Sweetspot

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



96, 37.423, 128.575



99, 11.057, 129.491



90, 22.660, 73.748



53, 7.862, 129.420



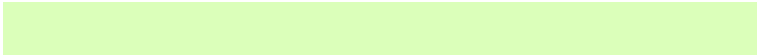
0, 0.000, 0.000



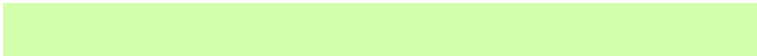
53, 0.007, 296.813

Same Dimension

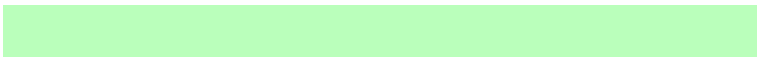
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 37.423, 128.575



95, 44.178, 128.332



94, 42.761, 143.010



53, 7.862, 129.420



69, 88.515, 128.786



23, 39.355, 127.258

Inverse Universe

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



81, 38.796, 311.111



77, 46.127, 311.370



84, 42.769, 326.383



49, 7.966, 310.237



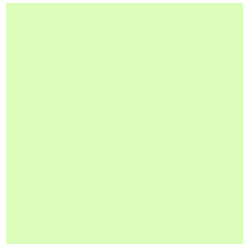
31, 100.060, 312.377



6, 44.873, 313.480

Previews

White Background



This preview shows how the CIE LCh color 96, 37.421, 128.573 looks on a white background.

Color Contrast Check

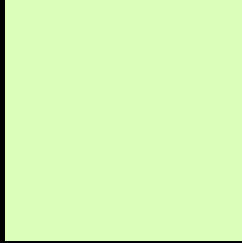
Large Text (above 18pt) WCAG AA × Fail

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, 37.421, 128.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

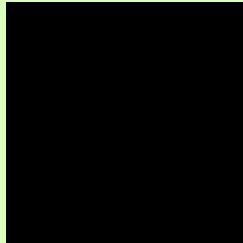
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

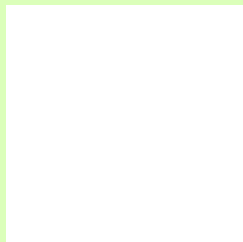
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 37.421, 128.573

Background



This preview shows how black text looks on a background with the CIELCh color 96, 37.421, 128.573.

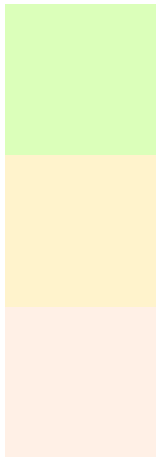


This preview shows how white text looks on a background with the CIELCh color 96, 37.421, 128.573.

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, 37.421, 128.573

Protanopia
96, 20.382, 95.796

Deuteranopia
96, 7.450, 62.820

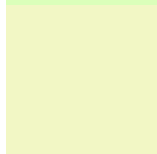


Tritanopia
96, 6.227, 264.506

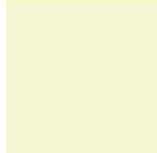
Trichromacy



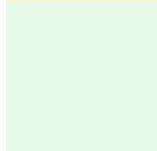
Original Color
96, 37.421, 128.573



Protanomaly
96, 25.468, 112.444



Deuteranomaly
96, 15.850, 112.941

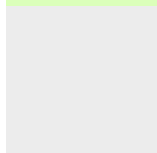


Tritanomaly
96, 11.268, 144.045

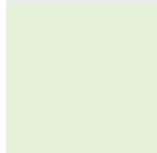
Monochromacy



Original Color
96, 37.421, 128.573



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 13.678, 129.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 37.421, 128.573 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(219, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 37.421, 128.573 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(219, 255, 186) }
```

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

```
.border{ border-color:rgb(219, 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(219, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 255, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 255, 186); box-shadow:4px 4px 4px 4px rgb(219, 255, 186) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 37.421, 128.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 186) }
```

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

```
.background{ background-color: rgb(219,  
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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