

Converting Colors

CIELCh(96, 41.320, 128.929)

Have a look what the booklet for
CIELCh(96, 41.320, 128.929)
contains.

CIELCh(96, 40.770, 128.863)	3
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Color

CIELCh(96, 40.770, 128.863)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFB5
RGB	216, 255, 181
RGB Percent	85%, 100%, 71%
CMY	0.1534, 0.0000, 0.2908
CMYK	0.15, 0.00, 0.29, 0.00
HSL	92°, 100%, 85%
HSV	92°, 29%, 100%
XYZ	72.6577, 90.0078, 57.1796
YIQ	234.9030, 0.5100, -31.2820

Conversions

Conversions Part 2

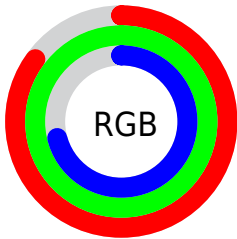
Format	Color
RYB	181, 255, 220
Decimal	14221237
CIELab	96.00, -25.58, 31.75
CIELCh	96, 40.770, 128.863
Yxy	90.0078, 0.3305, 0.4094
Android (android.graphics.Color)	4292411317 (0xFFD8FFB5)
YUV	234.9030, -26.5742, -16.5779
Hunter-Lab	94.8724, -29.3232, 30.6766

Details

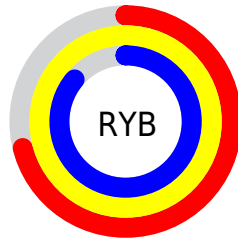
The CIELCh color **96, 40.770, 128.863** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79, 41.823, 311.406**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 9.112, 109.487**, and **76, 39.914, 128.927** is the 20% darker color. If you saturate the color by 10%, you get **95, 53.804, 128.191**, and if you desaturate by 10%, it is **97, 26.450, 129.167**.

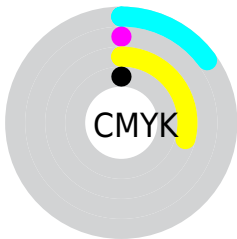
Distribution



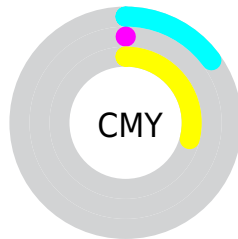
- Red (85%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (86%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 40.770, 128.863 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, 40.770, 128.863 by changing the saturation by 10% instead.


 96, 40.770,
128.863


 96, 40.770,
128.863


 100, 40.770,
128.863


 86, 40.770,
128.863

 76, 40.770,
128.863

 66, 40.770,
128.863

 56, 40.770,
128.863

 46, 40.770,
128.863

 36, 40.770,
128.863

 26, 40.770,

128.863

■ 16, 40.770,
128.863

■ 6, 40.770, 128.863

■ 96, 40.770,
128.863

■ 96, 40.770,
128.863

■ 95, 53.804,
128.191

■ 97, 26.450,
129.167

■ 93, 66.884,
127.744

■ 99, 12.568,
129.641

■ 92, 79.154,
127.399

100, 0.012,
296.813

■ 92, 90.146,
127.250

■ 91, 99.269,
127.423

■ 90, 105.953,
128.045

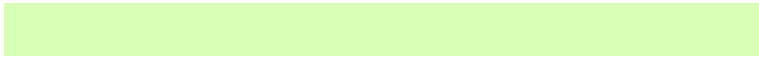
■ 90, 110.090,
129.141

■ 90, 110.413,
129.245

Harmonies

Complementary

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



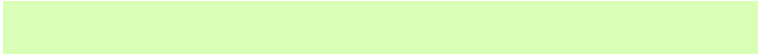
96, 40.770, 128.863



79, 41.823, 311.406

Rectangle

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



96, 40.770, 128.863



96, 40.770, 178.863



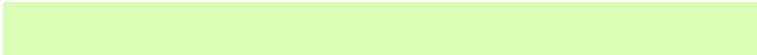
96, 40.770, 308.863



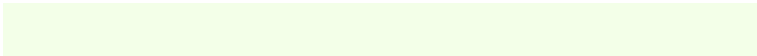
96, 40.770, 358.863

Sweetspot

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



96, 40.249, 128.678



99, 12.461, 129.644



90, 24.460, 73.488



52, 8.662, 129.577



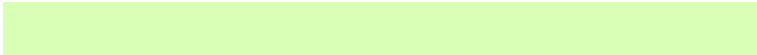
0, 0.000, 0.000



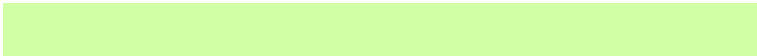
53, 0.007, 296.813

Same Dimension

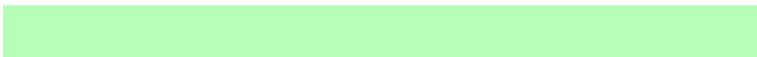
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 40.249, 128.678



95, 48.320, 128.387



94, 45.926, 142.835



52, 7.873, 129.621



69, 88.676, 128.965



23, 39.421, 127.444

Inverse Universe

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



79, 41.823, 311.406



75, 50.642, 311.716



83, 45.924, 326.492



49, 7.976, 310.433



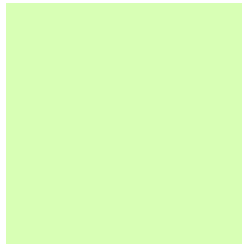
31, 99.936, 312.515



6, 44.864, 313.639

Previews

White Background



This preview shows how the CIELCh color 96, 40.770, 128.863 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, 40.770, 128.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

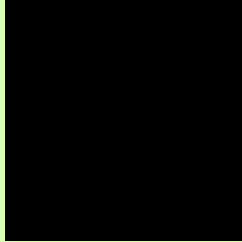
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

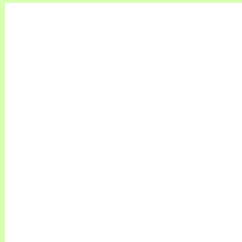
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 40.770, 128.863

Background



This preview shows how black text looks on a background with the CIELCh color 96, 40.770, 128.863.

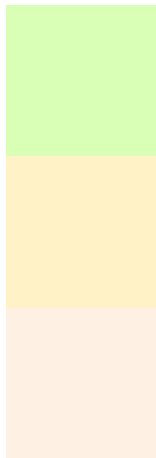


This preview shows how white text looks on a background with the CIELCh color 96, 40.770, 128.863.

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, 40.165, 128.662

Protanopia

96, 22.471, 95.764

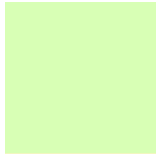
Deuteranopia

96, 8.196, 67.908

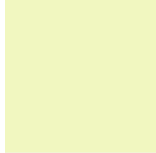


Tritanopia
96, 6.541, 259.104

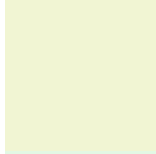
Trichromacy



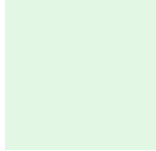
Original Color
96, 40.165, 128.662



Protanomaly
96, 28.005, 112.661

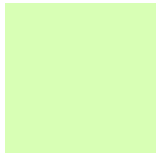


Deuteranomaly
95, 17.403, 113.697

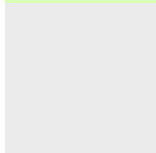


Tritanomaly
96, 12.737, 145.259

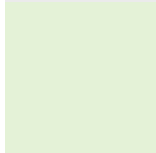
Monochromacy



Original Color
96, 40.165, 128.662



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 14.782, 129.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 40.770, 128.863 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(216, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 40.770, 128.863 is called "border". The border property can be set on classes, ids or directly on the HTML element.

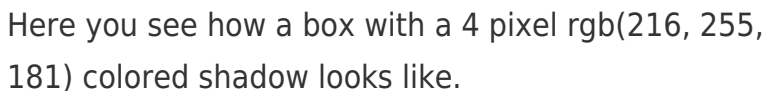
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 181) }
```

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

```
.border{ border-color:rgb(216, 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(216, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 255, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 255, 181); box-shadow:4px 4px 4px 4px rgb(216, 255, 181) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 40.770, 128.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 181) }
```

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

```
.background{ background-color: rgb(216,  
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](#).

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