

Converting Colors

CIELCh(96, 33.007, 128.473)

Have a look what the booklet for
CIELCh(96, 33.007, 128.473)
contains.

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Color

CIElCh(96, 33.153, 128.823)

Conversions

Conversions Part 1

Format	Color
Hex	DEFEC1
RGB	222, 254, 193
RGB Percent	87%, 100%, 76%
CMY	0.1306, 0.0051, 0.2443
CMYK	0.13, 0.00, 0.24, 0.01
HSL	91°, 96%, 88%
HSV	91°, 24%, 99%
XYZ	74.9691, 90.0078, 63.7028
YIQ	237.4780, 0.5090, -25.7550

Conversions

Conversions Part 2

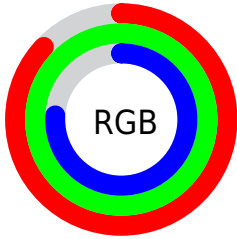
Format	Color
RYB	193, 254, 225
Decimal	14614209
CIELab	96.00, -20.78, 25.83
CIELCh	96, 33.153, 128.823
Yxy	90.0078, 0.3278, 0.3936
Android (android.graphics.Color)	4292804289 (0xFFDEFEC1)
YUV	237.4780, -21.9277, -13.5742
Hunter-Lab	94.8724, -24.9744, 26.6000

Details

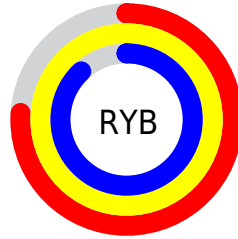
The CIELCh color **96, 33.153, 128.823** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82, 34.217, 311.050**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 2.525, 109.959**, and **76, 33.112, 128.923** is the 20% darker color. If you saturate the color by 10%, you get **95, 46.789, 128.333**, and if you desaturate by 10%, it is **97, 19.366, 129.307**.

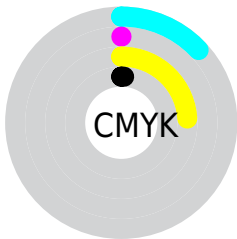
Distribution



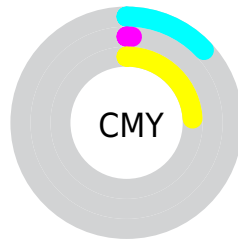
- Red (87%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (88%)



- Cyan (13%)
- Magenta (0%)
- Yellow (24%)
- Black (1%)





- Cyan (13%)
- Magenta (1%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 33.153, 128.823 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, 33.153, 128.823 by changing the saturation by 10% instead.


 96, 33.153,
128.823


 96, 33.153,
128.823


 100, 33.153,
128.823


 86, 33.153,
128.823

 76, 33.153,
128.823

 66, 33.153,
128.823

 56, 33.153,
128.823

 46, 33.153,
128.823

 36, 33.153,
128.823

 26, 33.153,

128.823

■ 16, 33.153,
128.823

■ 6, 33.153, 128.823

■ 96, 33.153,
128.823

■ 96, 33.153,
128.823

■ 95, 46.789,
128.333

■ 97, 19.366,
129.307

■ 94, 60.077,
127.861

■ 99, 5.553, 129.780

■ 93, 72.741,
127.456

100, 0.817,
324.092

■ 92, 84.387,
127.196

■ 91, 94.480,
127.191

■ 90, 102.415,
127.574

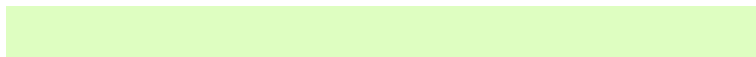
■ 90, 107.746,
128.450

■ 89, 109.880,
129.152

Harmonies

Complementary

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



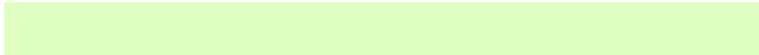
96, 33.153, 128.823



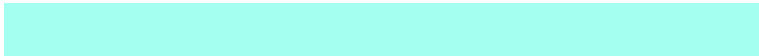
82, 34.217, 311.050

Rectangle

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



96, 33.153, 128.823



96, 33.153, 178.823



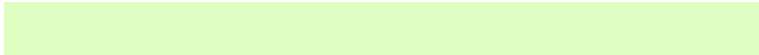
96, 33.153, 308.823



96, 33.153, 358.823

Sweetspot

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



96, 33.155, 128.825



99, 9.678, 129.637



91, 19.911, 74.140



53, 6.290, 129.609



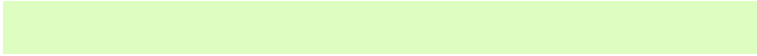
0, 0.000, 0.000



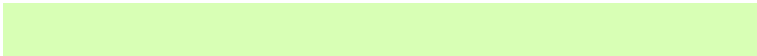
53, 0.007, 296.813

Same Dimension

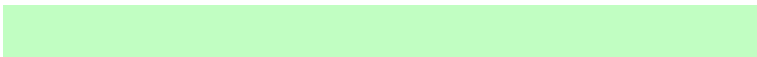
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 33.155, 128.825



96, 40.113, 128.580



94, 37.843, 143.266



52, 7.867, 129.520



69, 88.596, 128.876



23, 39.388, 127.351

Inverse Universe

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



82, 34.217, 311.050



79, 41.688, 311.307



85, 37.861, 326.216



49, 7.971, 310.335



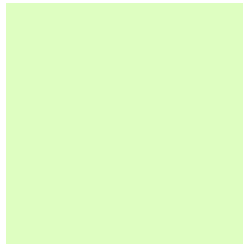
31, 99.998, 312.446



6, 44.869, 313.559

Previews

White Background



This preview shows how the CIELCh color 96, 33.153, 128.823 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 CIE LCh color 96, 33.153, 128.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

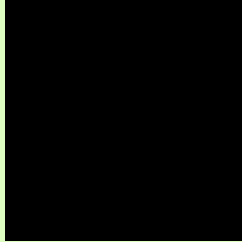
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

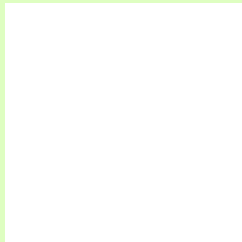
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 33.153, 128.823

Background



This preview shows how black text looks on a background with the CIELCh color 96, 33.153, 128.823.

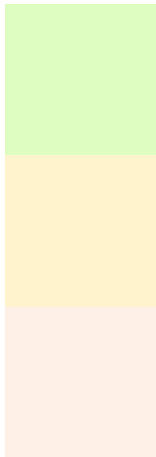


This preview shows how white text looks on a background with the CIELCh color 96, 33.153, 128.823.

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, 33.153, 128.823

Protanopia
96, 19.886, 95.529

Deuteranopia
96, 7.103, 59.880

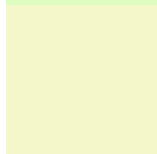


Tritanopia
96, 6.091, 267.411

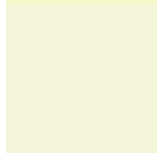
Trichromacy



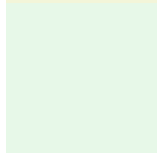
Original Color
96, 33.153, 128.823



Protanomaly
96, 23.428, 112.032



Deuteranomaly
96, 14.301, 112.005

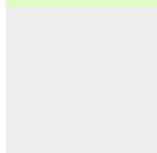


Tritanomaly
96, 10.218, 145.684

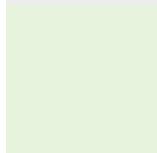
Monochromacy



Original Color
96, 33.153, 128.823



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 12.107, 130.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 33.153, 128.823 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(222, 254, 193)` looks like.

```
.text, #text, p{  
    color:rgb(222, 254, 193)  
}
```

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(222, 254, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 254, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 33.153, 128.823 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(222, 254, 193) }
```

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

```
.border{ border-color:rgb(222, 254, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 254, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 254, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 254, 193);  
box-shadow:4px 4px 4px 4px rgb(222, 254,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 33.153, 128.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 254, 193) }
```

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

```
.background{ background-color: rgb(222,  
254, 193) }
```

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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