

Converting Colors

CIELCh(96, 33.820, 137.665)

Have a look what the booklet for
CIELCh(96, 33.820, 137.665)
contains.

CIELCh(96, 33.400, 137.374)	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, 33.400, 137.374)

Conversions

Conversions Part 1

Format	Color
Hex	D3FFC7
RGB	211, 255, 199
RGB Percent	83%, 100%, 78%
CMY	0.1732, 0.0000, 0.2203
CMYK	0.17, 0.00, 0.22, 0.00
HSL	107°, 100%, 89%
HSV	107°, 22%, 100%
XYZ	73.1385, 90.0078, 67.4413
YIQ	235.4600, -8.2480, -26.7440

Conversions

Conversions Part 2

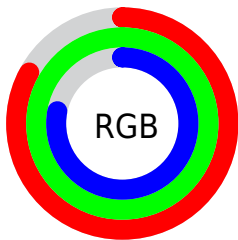
Format	Color
RYB	199, 255, 243
Decimal	13893575
CIELab	96.00, -24.58, 22.62
CIELCh	96, 33.400, 137.374
Yxy	90.0078, 0.3172, 0.3903
Android (android.graphics.Color)	4292083655 (0xFFD3FFC7)
YUV	235.4600, -17.9748, -21.4514
Hunter-Lab	94.8724, -28.4186, 24.2636

Details

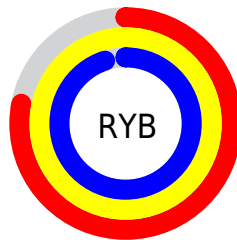
The CIELCh color **96, 33.400, 137.374** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **86, 33.257, 319.370**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 32.604, 137.221** is the 20% darker color. If you saturate the color by 10%, you get **94, 47.762, 136.691**, and if you desaturate by 10%, it is **98, 17.905, 137.844**.

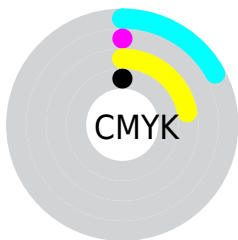
Distribution



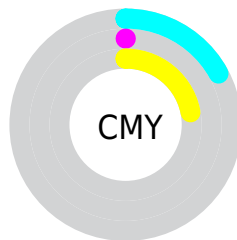
- Red (83%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 33.400, 137.374 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, 33.400, 137.374 by changing the saturation by 10% instead.


 96, 33.400,
137.374


 96, 33.400,
137.374


 100, 33.400,
137.374


 86, 33.400,
137.374

 76, 33.400,
137.374

 66, 33.400,
137.374

 56, 33.400,
137.374

 46, 33.400,
137.374

 36, 33.400,
137.374

 26, 33.400,

137.374

■ 16, 33.400,
137.374

■ 6, 33.400, 137.374

■ 96, 33.400,
137.374

■ 96, 33.400,
137.374

■ 94, 47.762,
136.691

■ 98, 17.905,
137.844

■ 93, 62.305,
136.038

■ 100, 2.997,
138.389

■ 91, 76.189,
135.371

100, 0.012,
296.813

■ 90, 88.979,
134.751

■ 90, 100.107,
134.278

■ 89, 108.915,
134.083

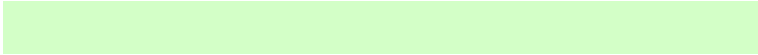
■ 88, 114.852,
134.282

■ 88, 117.631,
134.673

Harmonies

Complementary

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



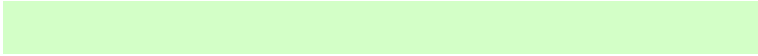
96, 33.400, 137.374



86, 33.257, 319.370

Rectangle

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



96, 33.400, 137.374



96, 33.400, 187.374



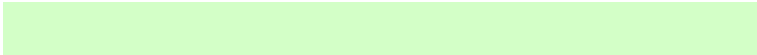
96, 33.400, 317.374



96, 33.400, 7.374

Sweetspot

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



96, 32.884, 137.297



99, 10.388, 138.102



96, 22.889, 96.769



52, 6.752, 138.071



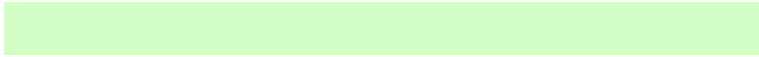
0, 0.000, 0.000



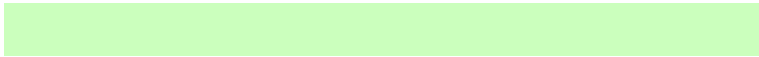
53, 0.007, 296.813

Same Dimension

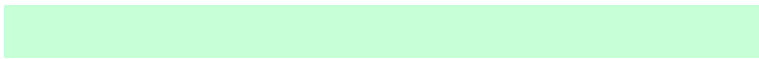
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 32.884, 137.297



95, 38.813, 137.063



95, 28.749, 151.945



52, 8.450, 137.975



68, 94.539, 134.506



23, 42.132, 133.738

Inverse Universe

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



86, 33.257, 319.370



83, 39.324, 319.548



86, 28.977, 335.156



50, 8.501, 318.797



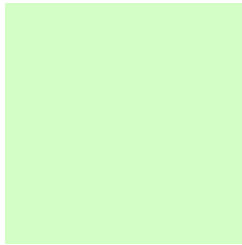
38, 95.060, 320.204



9, 43.567, 321.107

Previews

White Background



This preview shows how the CIE LCh color 96, 33.400, 137.374 looks on a white background.

Color Contrast Check

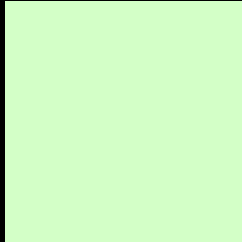
Large Text (above 18pt) WCAG AA × Fail

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, 33.400, 137.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

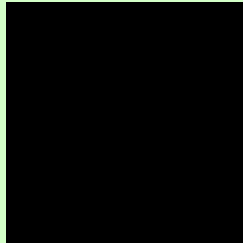
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

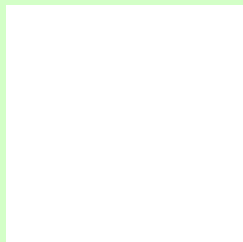
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 33.400, 137.374

Background



This preview shows how black text looks on a background with the CIELCh color 96, 33.400, 137.374.

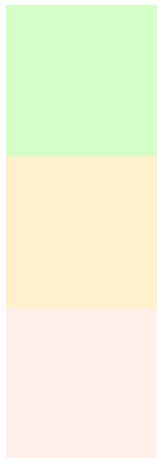


This preview shows how white text looks on a background with the CIELCh color 96, 33.400, 137.374.

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, 32.775, 137.288

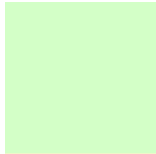
Protanopia
96, 20.982, 95.024

Deuteranopia
95, 7.080, 54.868

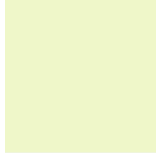


Tritanopia
96, 6.906, 254.251

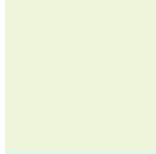
Trichromacy



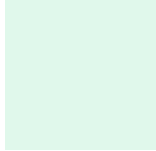
Original Color
96, 32.775, 137.288



Protanomaly
96, 23.588, 115.645

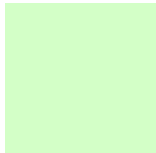


Deuteranomaly
95, 13.464, 118.492

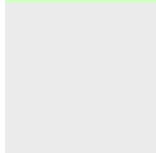


Tritanomaly
96, 10.810, 160.725

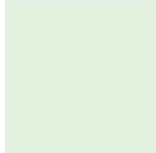
Monochromacy



Original Color
96, 32.775, 137.288



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 11.814, 138.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 33.400, 137.374 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(211, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 199)  
}
```

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(211, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 33.400, 137.374 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(211, 255, 199) }
```

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

```
.border{ border-color:rgb(211, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 33.400, 137.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 199) }
```

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

```
.background{ background-color: rgb(211,  
255, 199) }
```

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