

Converting Colors

CIELCh(96, 38.114, 131.187)

Have a look what the booklet for
CIELCh(96, 38.114, 131.187)
contains.

CIELCh(96, 37.543, 130.875)	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, 37.543, 130.875)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFBC
RGB	216, 255, 188
RGB Percent	85%, 100%, 74%
CMY	0.1548, 0.0000, 0.2646
CMYK	0.15, 0.00, 0.26, 0.00
HSL	95°, 100%, 87%
HSV	95°, 26%, 100%
XYZ	73.1418, 90.0078, 60.8240
YIQ	235.7010, -1.7370, -29.1050

Conversions

Conversions Part 2

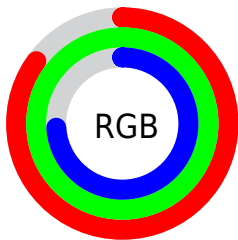
Format	Color
RYB	188, 255, 227
Decimal	14221244
CIELab	96.00, -24.57, 28.39
CIELCh	96, 37.543, 130.875
Yxy	90.0078, 0.3266, 0.4019
Android (android.graphics.Color)	4292411324 (0xFFD8FFBC)
YUV	235.7010, -23.5166, -17.2778
Hunter-Lab	94.8724, -28.4125, 28.3991

Details

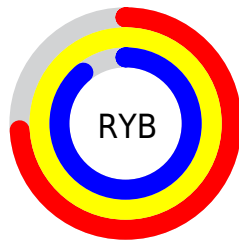
The CIELCh color **96, 37.543, 130.875** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81, 38.344, 313.160**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 5.059, 109.785**, and **76, 37.061, 130.800** is the 20% darker color. If you saturate the color by 10%, you get **95, 51.095, 130.272**, and if you desaturate by 10%, it is **97, 23.161, 131.258**.

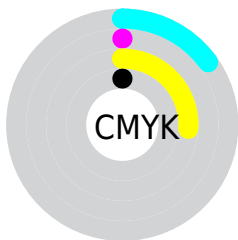
Distribution



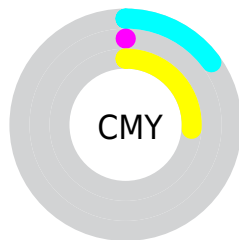
- Red (85%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (89%)



- Cyan (15%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 37.543, 130.875 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, 37.543, 130.875 by changing the saturation by 10% instead.


 96, 37.543,
130.875


 96, 37.543,
130.875


 100, 37.543,
130.875


 86, 37.543,
130.875

 76, 37.543,
130.875

 66, 37.543,
130.875

 56, 37.543,
130.875

 46, 37.543,
130.875

 36, 37.543,
130.875

 26, 37.543,

130.875

■ 16, 37.543,
130.875

■ 6, 37.543, 130.875

■ 96, 37.543,
130.875

■ 96, 37.543,
130.875

■ 95, 51.095,
130.272

■ 97, 23.161,
131.258

■ 93, 64.562,
129.790

■ 99, 9.064, 131.723

■ 92, 77.310,
129.380

100, 0.012,
296.813

■ 91, 88.899,
129.126

■ 91, 98.757,
129.147

■ 90, 106.275,
129.576

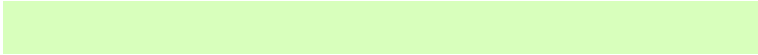
■ 89, 111.095,
130.496

■ 89, 112.358,
130.876

Harmonies

Complementary

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



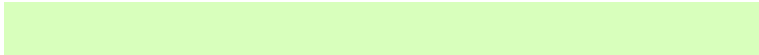
96, 37.543, 130.875



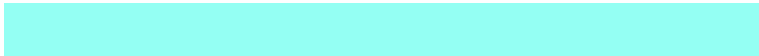
81, 38.344, 313.160

Rectangle

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



96, 37.543, 130.875



96, 37.543, 180.875



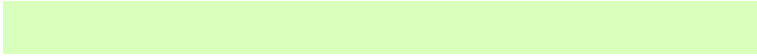
96, 37.543, 310.875



96, 37.543, 0.875

Sweetspot

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



96, 37.222, 130.771



99, 11.230, 131.652



92, 23.104, 80.387



52, 7.985, 131.583



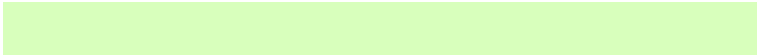
0, 0.000, 0.000



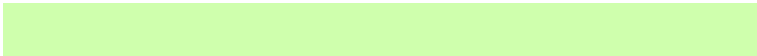
53, 0.007, 296.813

Same Dimension

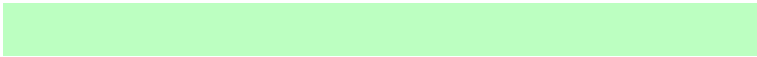
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 37.222, 130.771



95, 44.940, 130.495



94, 39.944, 144.907



52, 7.985, 131.583



69, 90.233, 130.610



23, 40.077, 129.186

Inverse Universe

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



81, 38.344, 313.160



78, 46.602, 313.426



84, 39.983, 328.303



49, 8.077, 312.368



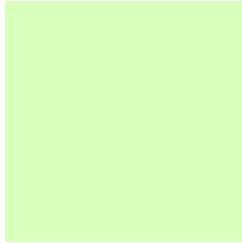
32, 98.716, 313.972



7, 44.720, 315.241

Previews

White Background



This preview shows how the CIE LCh color 96, 37.543, 130.875 looks on a white background.

Color Contrast Check

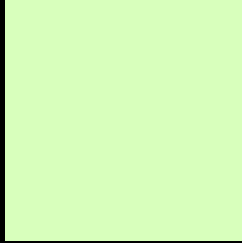
Large Text (above 18pt) WCAG AA × Fail

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, 37.543, 130.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

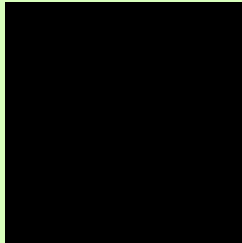
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

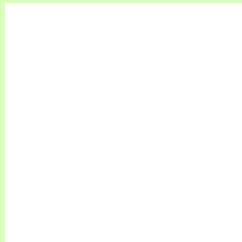
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 37.543, 130.875

Background



This preview shows how black text looks on a background with the CIELCh color 96, 37.543, 130.875.

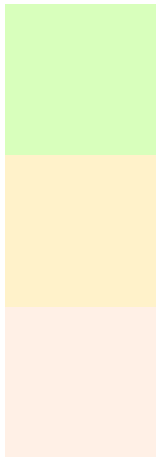


This preview shows how white text looks on a background with the CIELCh color 96, 37.543, 130.875.

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, 36.932, 130.688

Protanopia
96, 20.982, 95.024

Deuteranopia
96, 7.450, 62.820

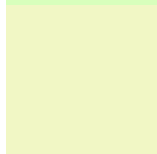


Tritanopia
96, 6.541, 259.104

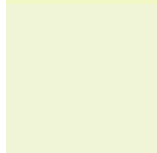
Trichromacy



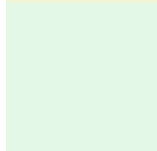
Original Color
96, 36.932, 130.688



Protanomaly
96, 25.502, 113.284



Deuteranomaly
96, 15.379, 114.467

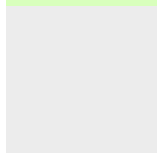


Tritanomaly
96, 11.914, 148.109

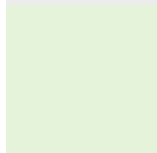
Monochromacy



Original Color
96, 36.932, 130.688



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, 37.543, 130.875 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 37.543, 130.875 is called "border". The border property can be set on classes, ids or directly on the HTML element.

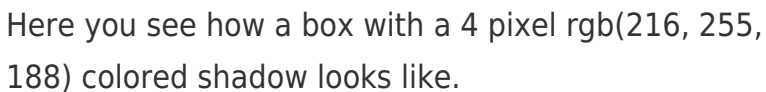
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 188) }
```

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

```
.border{ border-color:rgb(216, 255, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 255, 188); box-shadow:4px 4px 4px 4px rgb(216, 255, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 37.543, 130.875 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, 188) }
```

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

```
.background{ background-color: rgb(216,  
255, 188) }
```

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