

Converting Colors

CIELCh(96, 34.310, 136.287)

Have a look what the booklet for
CIELCh(96, 34.310, 136.287)
contains.

CIELCh(96, 33.665, 136.450)	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, 33.665, 136.450)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFC6
RGB	212, 255, 198
RGB Percent	83%, 100%, 78%
CMY	0.1697, 0.0000, 0.2247
CMYK	0.17, 0.00, 0.22, 0.00
HSL	105°, 100%, 89%
HSV	105°, 22%, 100%
XYZ	73.2228, 90.0078, 66.7601
YIQ	235.6450, -7.3310, -26.8430

Conversions

Conversions Part 2

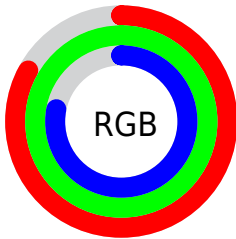
Format	Color
RYB	198, 255, 241
Decimal	13959110
CIELab	96.00, -24.40, 23.19
CIELCh	96, 33.665, 136.450
Yxy	90.0078, 0.3184, 0.3914
Android (android.graphics.Color)	4292149190 (0xFFD4FFC6)
YUV	235.6450, -18.5590, -20.7367
Hunter-Lab	94.8724, -28.2601, 24.6894

Details

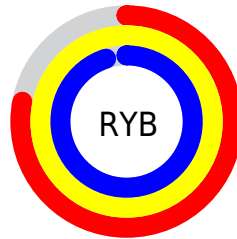
The CIELCh color **96, 33.665, 136.450** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **85, 33.672, 318.440**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 32.877, 136.232** is the 20% darker color. If you saturate the color by 10%, you get **94, 47.950, 135.789**, and if you desaturate by 10%, it is **98, 18.390, 136.903**.

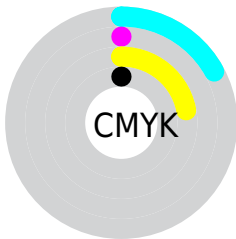
Distribution



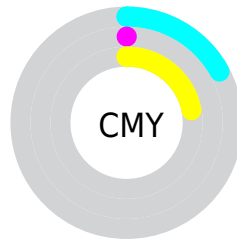
- Red (83%)
- Green (100%)
- Blue (78%)



- 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, 33.665, 136.450 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, 33.665, 136.450 by changing the saturation by 10% instead.


 96, 33.665,
136.450


 96, 33.665,
136.450


 100, 33.665,
136.450


 86, 33.665,
136.450

 76, 33.665,
136.450

 66, 33.665,
136.450

 56, 33.665,
136.450

 46, 33.665,
136.450

 36, 33.665,
136.450

 26, 33.665,

136.450

■ 16, 33.665,
136.450

■ 6, 33.665, 136.450

■ 96, 33.665,
136.450

■ 96, 33.665,
136.450

■ 94, 47.950,
135.789

■ 98, 18.390,
136.903

■ 93, 62.341,
135.169

■ 99, 3.614, 137.421

■ 92, 76.081,
134.548

100, 0.012,
296.813

■ 91, 88.739,
133.991

■ 90, 99.751,
133.599

■ 89, 108.465,
133.504

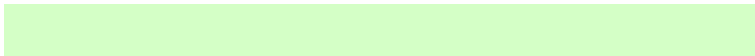
■ 89, 114.345,
133.820

■ 88, 117.025,
134.275

Harmonies

Complementary

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



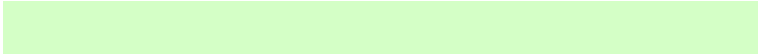
96, 33.665, 136.450



85, 33.672, 318.440

Rectangle

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



96, 33.665, 136.450



96, 33.665, 186.450



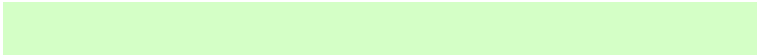
96, 33.665, 316.450



96, 33.665, 6.450

Sweetspot

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



96, 33.224, 136.371



99, 10.294, 137.175



95, 22.599, 94.490



52, 6.691, 137.146



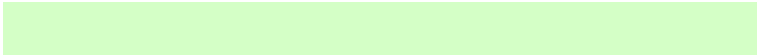
0, 0.000, 0.000



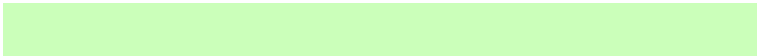
53, 0.007, 296.813

Same Dimension

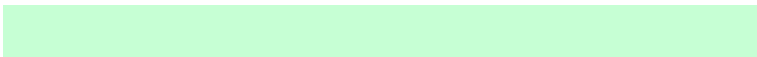
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 33.224, 136.371



95, 39.922, 136.113



95, 30.063, 150.663



52, 8.373, 137.051



68, 94.033, 134.089



23, 41.859, 133.195

Inverse Universe

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



85, 33.672, 318.440



82, 40.562, 318.641



86, 30.252, 333.849



50, 8.430, 317.856



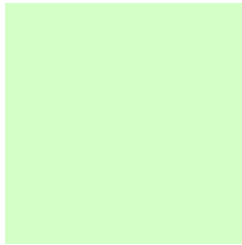
37, 95.526, 319.154



9, 43.741, 320.159

Previews

White Background



This preview shows how the CIE LCh color 96, 33.665, 136.450 looks on a white background.

Color Contrast Check

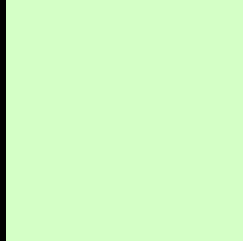
Large Text (above 18pt) WCAG AA × Fail

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, 33.665, 136.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

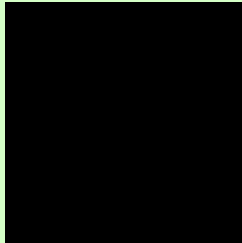
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

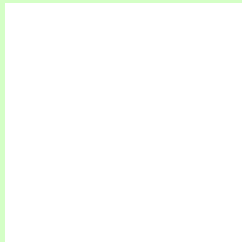
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 33.665, 136.450

Background



This preview shows how black text looks on a background with the CIELCh color 96, 33.665, 136.450.

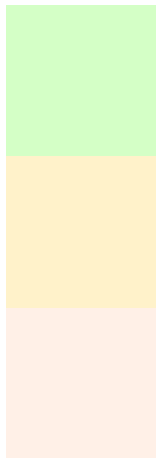


This preview shows how white text looks on a background with the CIELCh color 96, 33.665, 136.450.

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, 33.041, 136.346

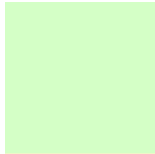
Protanopia
96, 20.982, 95.024

Deuteranopia
96, 7.103, 59.880

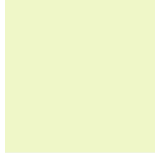


Tritanopia
96, 6.906, 254.251

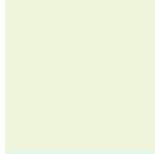
Trichromacy



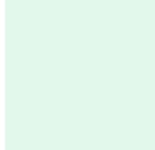
Original Color
96, 33.041, 136.346



Protanomaly
96, 24.089, 115.463



Deuteranomaly
95, 13.464, 118.492

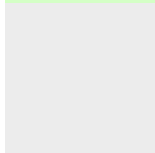


Tritanomaly
96, 10.883, 157.556

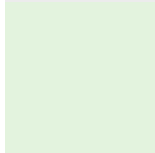
Monochromacy



Original Color
96, 33.041, 136.346



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 12.257, 137.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 33.665, 136.450 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(212, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 198)  
}
```

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(212, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 33.665, 136.450 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(212, 255, 198) }
```

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

```
.border{ border-color:rgb(212, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 33.665, 136.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 198) }
```

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

```
.background{ background-color: rgb(212,  
255, 198) }
```

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