

Converting Colors

CIELCh(100, 40.685, 140.592)

Have a look what the booklet for
CIELCh(100, 40.685, 140.592)
contains.

CIELCh(96, 31.391, 140.150)	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, 31.391, 140.150)

Conversions

Conversions Part 1

Format	Color
Hex	D2FFCC
RGB	210, 255, 204
RGB Percent	82%, 100%, 80%
CMY	0.1775, 0.0000, 0.2011
CMYK	0.18, 0.00, 0.20, 0.00
HSL	113°, 100%, 90%
HSV	113°, 20%, 100%
XYZ	73.3665, 90.0078, 70.4569
YIQ	235.7310, -10.4490, -25.4010

Conversions

Conversions Part 2

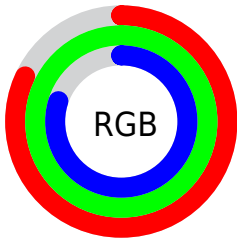
Format	Color
R_{YB}	204, 255, 249
Decimal	13828044
CIE _{Lab}	96.00, -24.10, 20.11
CIE _{LCh}	96, 31.391, 140.150
Yxy	90.0078, 0.3138, 0.3849
Android (android.graphics.Color)	4292018124 (0xFFD2FFCC)
YUV	235.7310, -15.6434, -22.5661
Hunter-Lab	94.8724, -27.9895, 22.3791

Details

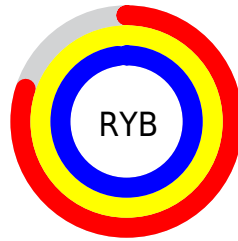
The CIELCh color **96, 31.391, 140.150** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **87, 31.107, 322.189**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 30.512, 140.215** is the 20% darker color. If you saturate the color by 10%, you get **94, 46.311, 139.433**, and if you desaturate by 10%, it is **98, 15.488, 140.726**.

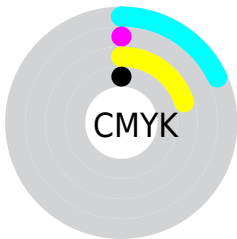
Distribution



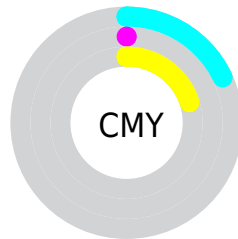
- Red (82%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 31.391, 140.150 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, 31.391, 140.150 by changing the saturation by 10% instead.


 96, 31.391,
140.150


 96, 31.391,
140.150


 100, 31.391,
140.150


 86, 31.391,
140.150

 76, 31.391,
140.150

 66, 31.391,
140.150

 56, 31.391,
140.150

 46, 31.391,
140.150

 36, 31.391,
140.150

 26, 31.391,

140.150

■ 16, 31.391,
140.150

■ 6, 31.391, 140.150

■ 96, 31.391,
140.150

■ 96, 31.391,
140.150

■ 94, 46.311,
139.433

■ 98, 15.488,
140.726

■ 92, 61.354,
138.664

100, 0.156,
142.997

■ 91, 75.719,
137.836

100, 0.012,
296.813

■ 90, 88.953,
136.996

■ 89, 100.479,
136.234

■ 89, 109.631,
135.678

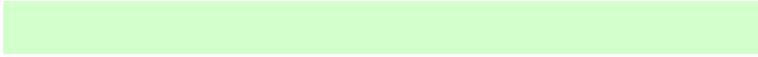
■ 88, 115.816,
135.458

■ 88, 119.024,
135.555

Harmonies

Complementary

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



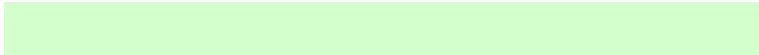
96, 31.391, 140.150



87, 31.107, 322.189

Rectangle

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



96, 31.391, 140.150



96, 31.391, 190.150



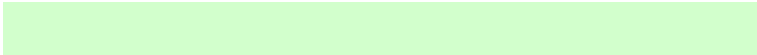
96, 31.391, 320.150



96, 31.391, 10.150

Sweetspot

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



96, 30.936, 140.120



99, 9.165, 140.960



97, 22.694, 101.920



53, 6.083, 140.922



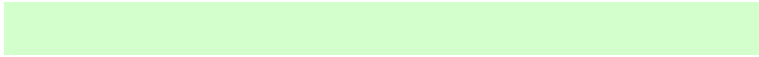
0, 0.000, 0.000



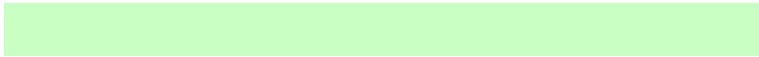
53, 0.007, 296.813

Same Dimension

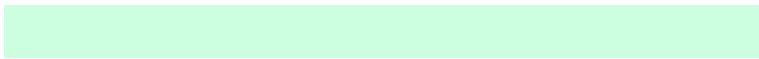
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 30.936, 140.120



95, 36.939, 139.863



96, 24.636, 155.508



52, 8.707, 140.761



68, 95.733, 135.453



23, 42.888, 135.159

Inverse Universe

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



87, 31.107, 322.189



85, 37.170, 322.377



87, 24.947, 338.640



50, 8.740, 321.666



42, 93.874, 323.700



11, 43.125, 324.230

Previews

White Background



This preview shows how the CIELCh color 96, 31.391, 140.150 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, 31.391, 140.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

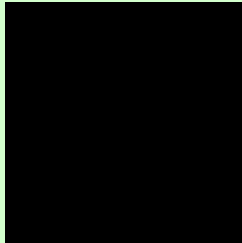
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

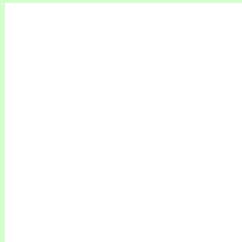
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 31.391, 140.150

Background



This preview shows how black text looks on a background with the CIELCh color 96, 31.391, 140.150.

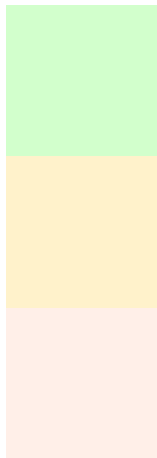


This preview shows how white text looks on a background with the CIELCh color 96, 31.391, 140.150.

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](#).

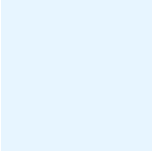
Dichromacy



Original Color
96, 30.763, 140.114

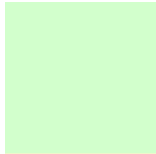
Protanopia
96, 20.487, 94.750

Deuteranopia
96, 6.790, 51.400

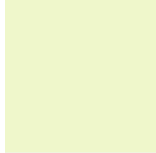


Tritanopia
96, 6.933, 247.072

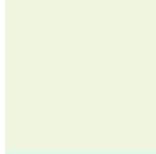
Trichromacy



Original Color
96, 30.763, 140.114



Protanomaly
96, 22.587, 116.028

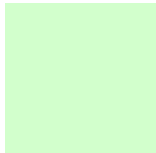


Deuteranomaly
96, 11.958, 119.752

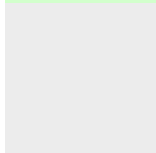


Tritanomaly
96, 11.352, 162.808

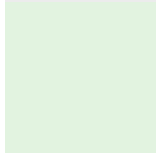
Monochromacy



Original Color
96, 30.763, 140.114



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 11.546, 141.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 31.391, 140.150 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(210, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 204)  
}
```

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(210, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 31.391, 140.150 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(210, 255, 204) }
```

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

```
.border{ border-color:rgb(210, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 31.391, 140.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 204) }
```

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

```
.background{ background-color: rgb(210,  
255, 204) }
```

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