

Converting Colors

CIELCh(96, 21.755, 164.836)

Have a look what the booklet for
CIELCh(96, 21.755, 164.836)
contains.

| | |
|--|----|
| CIELCh(96, 21.613, 165.013) | 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, 21.613, 165.013)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CBFFE8 |
| RGB | 203, 255, 232 |
| RGB Percent | 80%, 100%, 91% |
| CMY | 0.2041, 0.0001, 0.0904 |
| CMYK | 0.20, 0.00, 0.09, 0.00 |
| HSL | 153°, 100%, 90% |
| HSV | 153°, 20%, 100% |
| XYZ | 74.9235, 90.0078, 89.7374 |
| YIQ | 236.8300, -23.6090, -18.1770 |

Conversions

Conversions Part 2

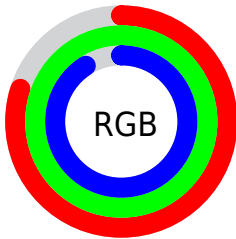
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 203, 236, 255 |
| Decimal | 13369320 |
| CIE _{Lab} | 96.00, -20.88, 5.59 |
| CIE _{LCh} | 96, 21.613, 165.013 |
| Yxy | 90.0078, 0.2942, 0.3534 |
| Android (android.graphics.Color) | 4291559400 (0xFFCBBFE8) |
| YUV | 236.8300, -2.3812, -29.6689 |
| Hunter-Lab | 94.8724, -25.0601, 10.3298 |

Details

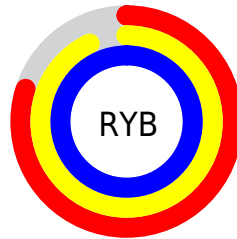
The CIELCh color **96, 21.613, 165.013** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87, 22.355, 348.790**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 21.689, 164.671** is the 20% darker color. If you saturate the color by 10%, you get **94, 31.945, 163.924**, and if you desaturate by 10%, it is **98, 11.056, 166.006**.

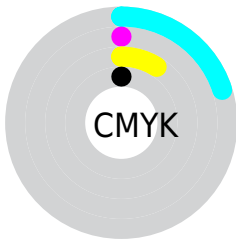
Distribution



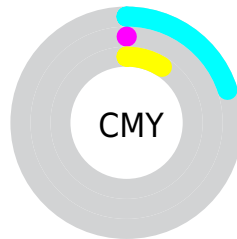
- Red (80%)
- Green (100%)
- Blue (91%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 21.613, 165.013 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, 21.613, 165.013 by changing the saturation by 10% instead.


 96, 21.613,
165.013


 96, 21.613,
165.013


 100, 21.613,
165.013


 86, 21.613,
165.013

 76, 21.613,
165.013

 66, 21.613,
165.013

 56, 21.613,
165.013

 46, 21.613,
165.013

 36, 21.613,
165.013

 26, 21.613,

165.013

■ 16, 21.613,
165.013

■ 6, 21.613, 165.013

■ 96, 21.613,
165.013

■ 96, 21.613,
165.013

■ 94, 31.945,
163.924

■ 98, 11.056,
166.006

■ 93, 41.876,
162.714

■ 100, 0.414,
168.082

■ 92, 51.227,
161.354

■ 100, 0.033,
315.143

■ 91, 59.818,
159.818

■ 90, 67.500,
158.081

■ 89, 74.181,
156.127

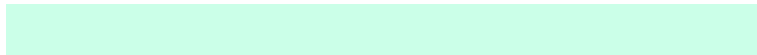
■ 89, 79.856,
153.958

■ 89, 84.517,
151.740

Harmonies

Complementary

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



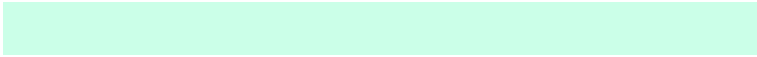
96, 21.613, 165.013



87, 22.355, 348.790

Rectangle

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



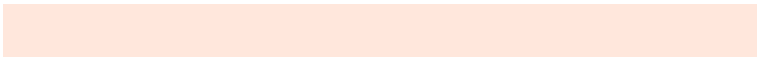
96, 21.613, 165.013



96, 21.613, 215.013



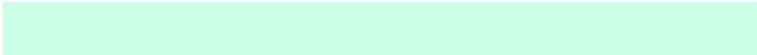
96, 21.613, 345.013



96, 21.613, 35.013

Sweetspot

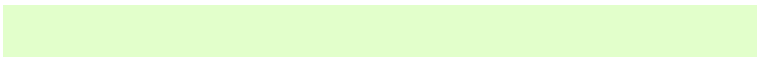
The Sweet Spot groups the original color and five complimentary colors.



96, 21.615, 165.011



99, 6.381, 166.439



97, 28.438, 129.882



53, 4.233, 166.373



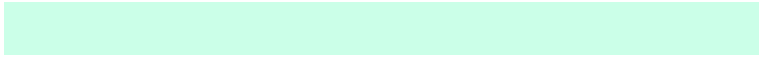
0, 0.000, 0.000



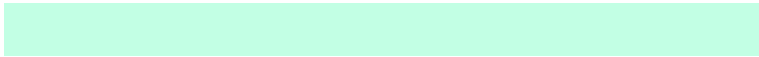
53, 0.007, 296.813

Same Dimension

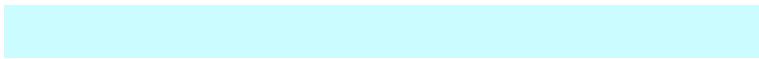
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 21.615, 165.011



95, 25.375, 164.632



96, 16.335, 203.134



52, 6.047, 166.093



68, 67.504, 152.175



23, 29.219, 155.406

Inverse Universe

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



87, 22.355, 348.790



84, 26.401, 349.188



87, 18.769, 24.887



50, 6.147, 347.676



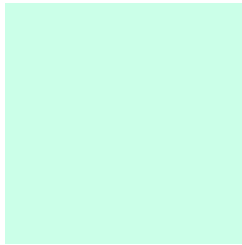
41, 68.011, 7.683



10, 31.447, 1.222

Previews

White Background



This preview shows how the CIE LCh color 96, 21.613, 165.013 looks on a white background.

Color Contrast Check

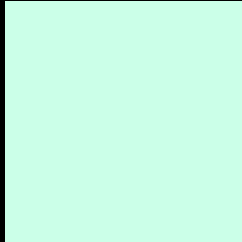
Large Text (above 18pt) WCAG AA × Fail

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, 21.613, 165.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

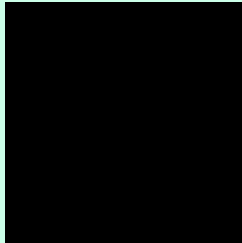
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

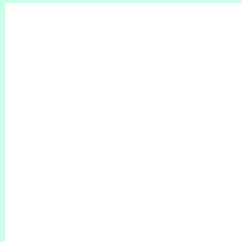
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.613, 165.013

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.613, 165.013.

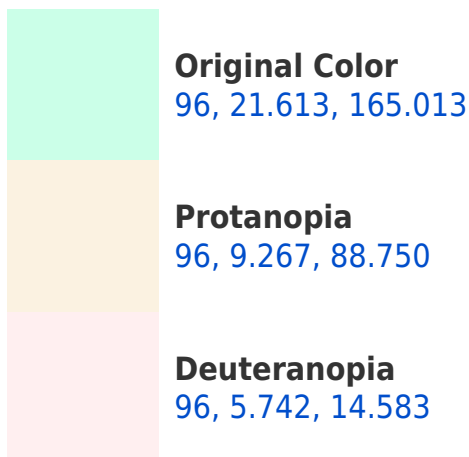


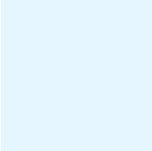
This preview shows how white text looks on a background with the CIELCh color 96, 21.613, 165.013.

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



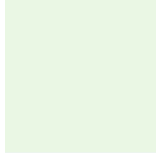


Tritanopia
96, 7.321, 238.340

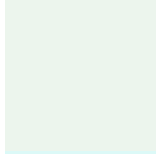
Trichromacy



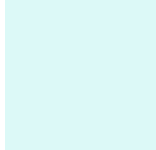
Original Color
96, 21.613, 165.013



Protanomaly
96, 10.804, 134.923

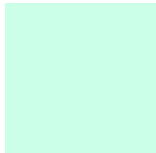


Deuteranomaly
96, 5.210, 147.458

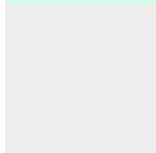


Tritanomaly
96, 9.991, 192.916

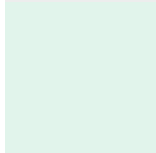
Monochromacy



Original Color
96, 21.613, 165.013



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 8.170, 164.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 21.613, 165.013 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(203, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 232)  
}
```

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(203, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.613, 165.013 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(203, 255, 232) }
```

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

```
.border{ border-color:rgb(203, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.613, 165.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 232) }
```

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

```
.background{ background-color: rgb(203,  
255, 232) }
```

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