

Converting Colors

CIELCh(100, 30.632, 164.189)

Have a look what the booklet for
CIELCh(100, 30.632, 164.189)
contains.

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Color

CIELCh(96, 21.933, 174.557)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFEF
RGB	197, 255, 239
RGB Percent	77%, 100%, 94%
CMY	0.2287, 0.0000, 0.0640
CMYK	0.23, 0.00, 0.06, 0.00
HSL	163°, 100%, 89%
HSV	163°, 23%, 100%
XYZ	74.4591, 90.0078, 94.8696
YIQ	235.8340, -29.4320, -17.2720

Conversions

Conversions Part 2

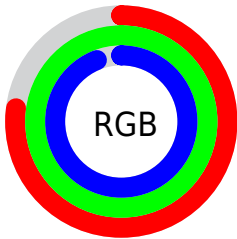
Format	Color
R_{YB}	197, 231, 255
Decimal	12976111
CIE Lab	96.00, -21.83, 2.08
CIE LCh	96, 21.933, 174.557
Yxy	90.0078, 0.2871, 0.3471
Android (android.graphics.Color)	4291166191 (0xFFC5FFEF)
YUV	235.8340, 1.5608, -34.0574
Hunter-Lab	94.8724, -25.9339, 7.1225

Details

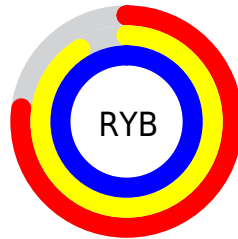
The CIELCh color **96, 21.933, 174.557** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 23.191, 359.804**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.347, 201.292**, and **76, 21.372, 175.499** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.443, 174.084**, and if you desaturate by 10%, it is **98, 12.293, 176.223**.

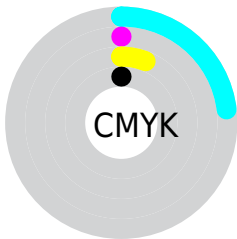
Distribution



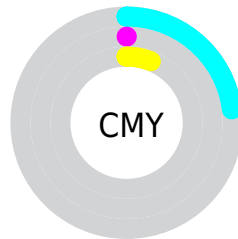
- Red (77%)
- Green (100%)
- Blue (94%)



- Red (77%)
- Yellow (91%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 21.933, 174.557 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, 21.933, 174.557 by changing the saturation by 10% instead.


 96, 21.933,
174.557


 96, 21.933,
174.557


 100, 21.933,
174.557


 86, 21.933,
174.557

 76, 21.933,
174.557

 66, 21.933,
174.557

 56, 21.933,
174.557

 46, 21.933,
174.557

 36, 21.933,
174.557

 26, 21.933,

174.557

■ 16, 21.933,
174.557

■ 6, 21.933, 174.557

■ 96, 21.933,
174.557

■ 96, 21.933,
174.557

■ 94, 30.443,
174.084

■ 98, 12.293,
176.223

■ 93, 38.749,
172.883

■ 99, 2.760, 177.334

■ 92, 46.324,
171.561

100, 0.012,
296.813

■ 91, 53.020,
170.093

■ 90, 58.732,
168.454

■ 90, 63.419,
166.621

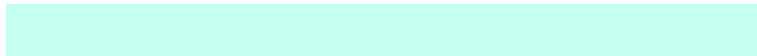
■ 90, 67.130,
164.588

■ 89, 69.327,
163.054

Harmonies

Complementary

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



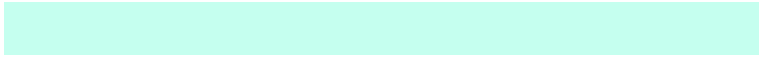
96, 21.933, 174.557



85, 23.191, 359.804

Rectangle

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



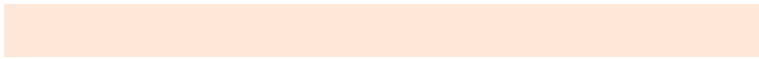
96, 21.933, 174.557



96, 21.933, 224.557



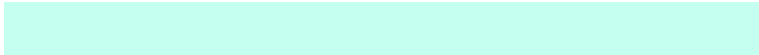
96, 21.933, 354.557



96, 21.933, 44.557

Sweetspot

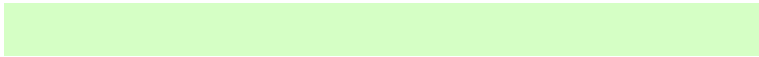
The Sweet Spot groups the original color and five complimentary colors.



96, 21.570, 175.188



99, 6.718, 176.826



96, 33.424, 135.181



52, 4.363, 176.762



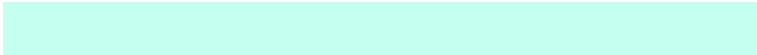
0, 0.000, 0.000



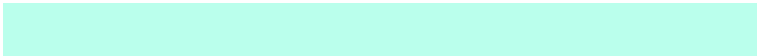
53, 0.007, 296.813

Same Dimension

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



96, 21.570, 175.188



95, 25.291, 174.742



93, 16.113, 222.572



52, 5.446, 176.566



69, 55.495, 163.458



23, 24.454, 166.383

Inverse Universe

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



85, 23.191, 359.804



82, 27.575, 0.350



88, 18.769, 40.923



50, 5.610, 358.242



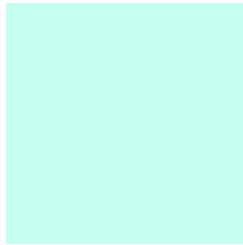
40, 71.420, 23.078



10, 31.550, 14.130

Previews

White Background



This preview shows how the CIE LCh color 96, 21.933, 174.557 looks on a white background.

Color Contrast Check

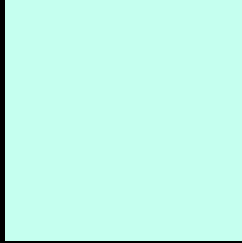
Large Text (above 18pt) WCAG AA × Fail

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, 21.933, 174.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

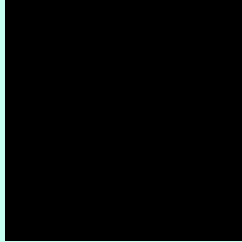
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

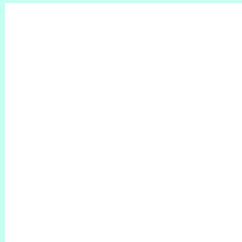
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.933, 174.557

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.933, 174.557.

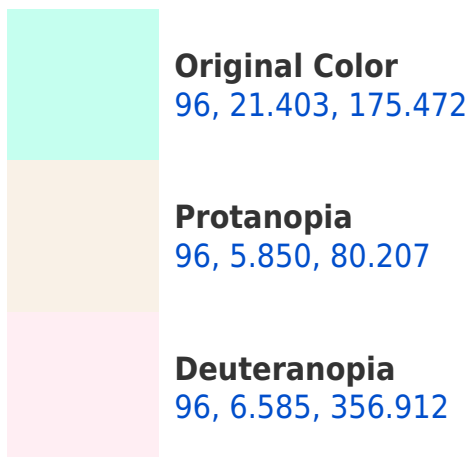


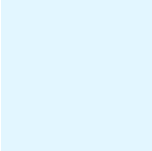
This preview shows how white text looks on a background with the CIELCh color 96, 21.933, 174.557.

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



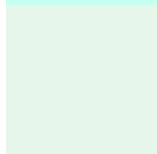


Tritanopia
96, 8.118, 233.851

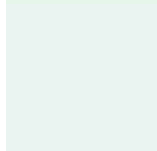
Trichromacy



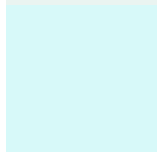
Original Color
96, 21.403, 175.472



Protanomaly
95, 8.401, 151.950



Deuteranomaly
95, 3.844, 175.729

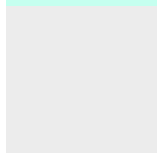


Tritanomaly
96, 11.520, 198.722

Monochromacy



Original Color
96, 21.403, 175.472



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 7.995, 176.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 21.933, 174.557 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(197, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 239)  
}
```

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(197, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.933, 174.557 is called "border". The border property can be set on classes, ids or directly on the HTML element.

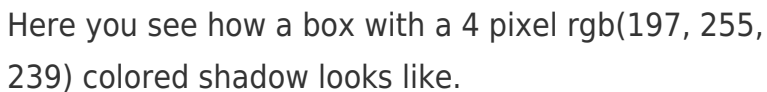
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 239) }
```

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

```
.border{ border-color:rgb(197, 255, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 239); box-shadow:4px 4px 4px 4px rgb(197, 255, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.933, 174.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 239) }
```

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

```
.background{ background-color: rgb(197,  
255, 239) }
```

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](#).

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