

Converting Colors

CIELCh(96, 21.691, 174.157)

Have a look what the booklet for
CIELCh(96, 21.691, 174.157)
contains.

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Color

CIElCh(96, 21.644, 174.249)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFEF
RGB	198, 255, 239
RGB Percent	78%, 100%, 94%
CMY	0.2254, 0.0000, 0.0646
CMYK	0.23, 0.00, 0.06, 0.00
HSL	163°, 100%, 89%
HSV	163°, 23%, 100%
XYZ	74.6041, 90.0078, 94.7380
YIQ	236.1330, -28.8360, -17.0600

Conversions

Conversions Part 2

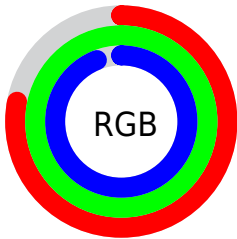
Format	Color
R_{YB}	198, 231, 255
Decimal	13041647
CIE _{Lab}	96.00, -21.54, 2.17
CIE _{LCh}	96, 21.644, 174.249
Yxy	90.0078, 0.2877, 0.3471
Android (android.graphics.Color)	4291231727 (0xFFC6FFEF)
YUV	236.1330, 1.4134, -33.4426
Hunter-Lab	94.8724, -25.6611, 7.2047

Details

The CIELCh color **96, 21.644, 174.249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 22.905, 359.271**, 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, 21.077, 175.200** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.305, 173.628**, and if you desaturate by 10%, it is **98, 12.030, 175.769**.

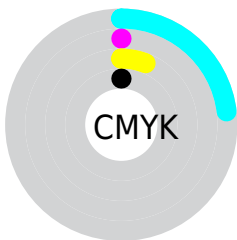
Distribution



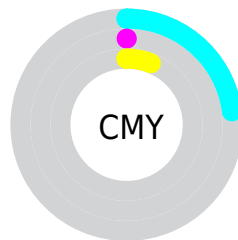
- Red (78%)
- Green (100%)
- Blue (94%)



- Red (78%)
- 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, 21.644, 174.249 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, 21.644, 174.249 by changing the saturation by 10% instead.

 96, 21.644,
174.249


 96, 21.644,
174.249


 100, 21.644,
174.249


 86, 21.644,
174.249

 76, 21.644,
174.249

 66, 21.644,
174.249

 56, 21.644,
174.249

 46, 21.644,
174.249

 36, 21.644,
174.249

 26, 21.644,

174.249

■ 16, 21.644,
174.249

■ 6, 21.644, 174.249

■ 96, 21.644,
174.249

■ 96, 21.644,
174.249

■ 94, 30.305,
173.628

■ 98, 12.030,
175.769

■ 93, 38.692,
172.424

■ 99, 2.451, 176.904

■ 92, 46.358,
171.099

100, 0.012,
296.813

■ 91, 53.155,
169.626

■ 90, 58.973,
167.980

■ 90, 63.767,
166.139

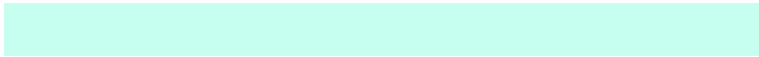
■ 90, 67.585,
164.096

■ 89, 69.947,
162.481

Harmonies

Complementary

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



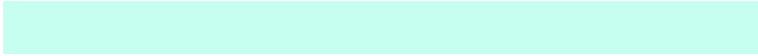
96, 21.644, 174.249



85, 22.905, 359.271

Rectangle

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



96, 21.644, 174.249



96, 21.644, 224.249



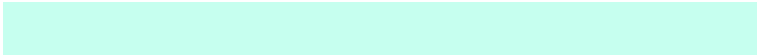
96, 21.644, 354.249



96, 21.644, 44.249

Sweetspot

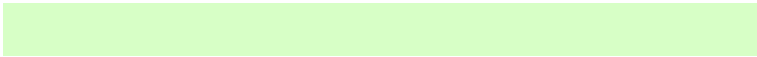
The Sweet Spot groups the original color and five complimentary colors.



96, 21.364, 174.734



99, 6.744, 176.339



96, 32.777, 134.686



52, 4.380, 176.275



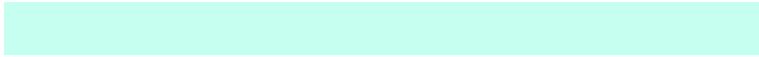
0, 0.000, 0.000



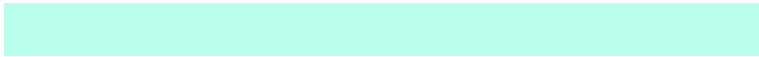
53, 0.007, 296.813

Same Dimension

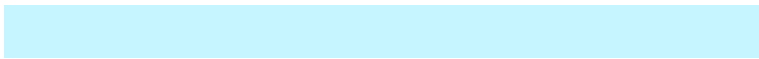
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 21.364, 174.734



95, 25.409, 174.251



93, 16.012, 220.400



52, 5.468, 176.078



69, 55.983, 162.887



23, 24.646, 165.838

Inverse Universe

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



85, 22.905, 359.271



82, 27.645, 359.858



87, 18.644, 39.166



50, 5.629, 357.756



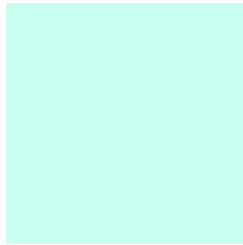
40, 71.162, 22.469



10, 31.518, 13.673

Previews

White Background



This preview shows how the CIE LCh color 96, 21.644, 174.249 looks on a white background.

Color Contrast Check

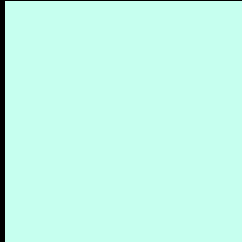
Large Text (above 18pt) WCAG AA × Fail

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, 21.644, 174.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

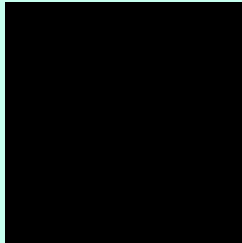
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

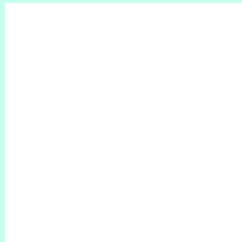
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.644, 174.249

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.644, 174.249.

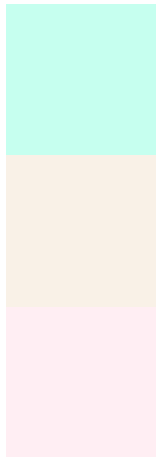


This preview shows how white text looks on a background with the CIELCh color 96, 21.644, 174.249.

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, 21.112, 175.168

Protanopia

96, 5.850, 80.207

Deuteranopia

96, 6.585, 356.912

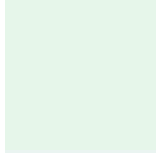


Tritanopia
96, 7.848, 235.244

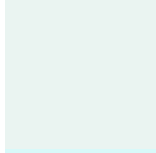
Trichromacy



Original Color
96, 21.112, 175.168



Protanomaly
95, 8.401, 151.950



Deuteranomaly
95, 3.844, 175.729

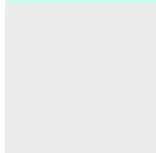


Tritanomaly
96, 11.194, 198.745

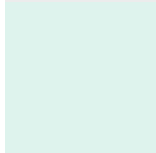
Monochromacy



Original Color
96, 21.112, 175.168



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, 21.644, 174.249 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(198, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.644, 174.249 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(198, 255, 239) }
```

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

```
.border{ border-color:rgb(198, 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(198, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.644, 174.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 239) }
```

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

```
.background{ background-color: rgb(198,  
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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