

Converting Colors

CIELCh(96, 21.732, 169.442)

Have a look what the booklet for
CIELCh(96, 21.732, 169.442)
contains.

CIELCh(96, 21.570, 169.648)	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, 21.570, 169.648)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFEB
RGB	200, 255, 235
RGB Percent	78%, 100%, 92%
CMY	0.2147, 0.0000, 0.0774
CMYK	0.21, 0.00, 0.08, 0.00
HSL	158°, 100%, 89%
HSV	158°, 21%, 100%
XYZ	74.7577, 90.0078, 92.2194
YIQ	236.2750, -26.3600, -17.8800

Conversions

Conversions Part 2

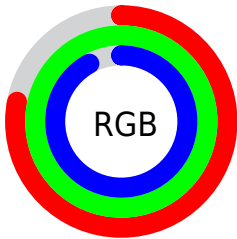
Format	Color
RYB	200, 234, 255
Decimal	13172715
CIELab	96.00, -21.22, 3.88
CIELCh	96, 21.570, 169.648
Yxy	90.0078, 0.2909, 0.3502
Android (android.graphics.Color)	4291362795 (0xFFC8FFEB)
YUV	236.2750, -0.6286, -31.8132
Hunter-Lab	94.8724, -25.3722, 8.7787

Details

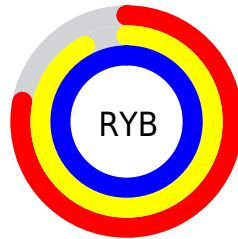
The CIELCh color **96, 21.570, 169.648** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 22.530, 354.058**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 21.602, 169.454** is the 20% darker color. If you saturate the color by 10%, you get **94, 31.015, 168.732**, and if you desaturate by 10%, it is **98, 11.536, 170.878**.

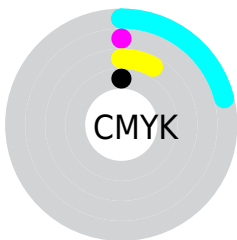
Distribution



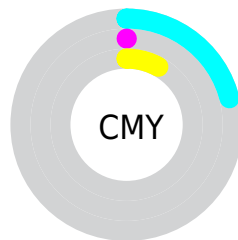
- Red (78%)
- Green (100%)
- Blue (92%)



- Red (78%)
- Yellow (92%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 21.570, 169.648 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, 21.570, 169.648 by changing the saturation by 10% instead.

 96, 21.570,
169.648

 96, 21.570,
169.648

 100, 21.570,
169.648

 86, 21.570,
169.648

 76, 21.570,
169.648

 66, 21.570,
169.648

 56, 21.570,
169.648

 46, 21.570,
169.648

 36, 21.570,
169.648

 26, 21.570,

169.648

■ 16, 21.570,
169.648

■ 6, 21.570, 169.648

■ 96, 21.570,
169.648

■ 96, 21.570,
169.648

■ 94, 31.015,
168.732

■ 98, 11.536,
170.878

■ 93, 40.125,
167.505

■ 100, 1.479,
172.132

■ 92, 48.587,
166.140

■ 100, 0.012,
296.813

■ 91, 56.239,
164.610

■ 90, 62.951,
162.889

■ 90, 68.658,
160.960

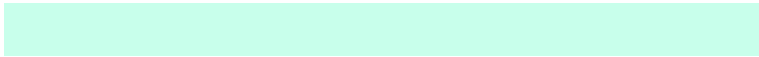
■ 89, 73.383,
158.818

■ 89, 76.797,
156.875

Harmonies

Complementary

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



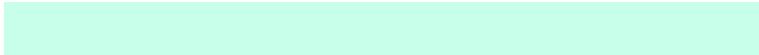
96, 21.570, 169.648



86, 22.530, 354.058

Rectangle

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



96, 21.570, 169.648



96, 21.570, 219.648



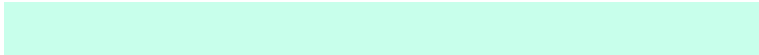
96, 21.570, 349.648



96, 21.570, 39.648

Sweetspot

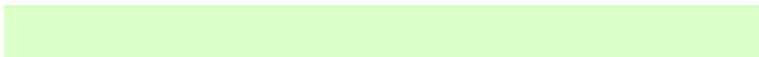
The Sweet Spot groups the original color and five complimentary colors.



96, 21.430, 169.846



99, 6.045, 171.440



96, 30.624, 132.623



53, 4.009, 171.370



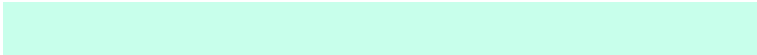
0, 0.000, 0.000



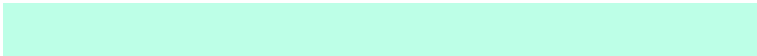
53, 0.007, 296.813

Same Dimension

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



96, 21.430, 169.846



95, 25.819, 169.354



95, 15.944, 212.184



52, 5.723, 171.077



69, 61.390, 157.304



23, 26.775, 160.448

Inverse Universe

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



86, 22.530, 354.058



83, 27.444, 354.614



87, 18.497, 32.448



50, 5.852, 352.733



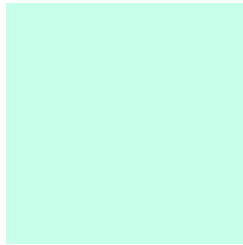
40, 68.989, 15.603



10, 31.293, 8.125

Previews

White Background



This preview shows how the CIE LCh color 96, 21.570, 169.648 looks on a white background.

Color Contrast Check

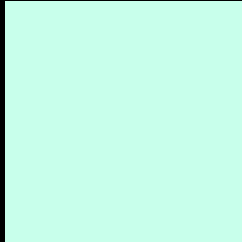
Large Text (above 18pt) WCAG AA × Fail

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, 21.570, 169.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

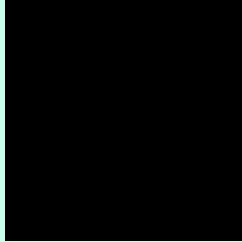
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

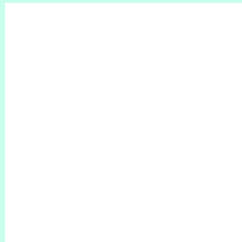
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.570, 169.648

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.570, 169.648.

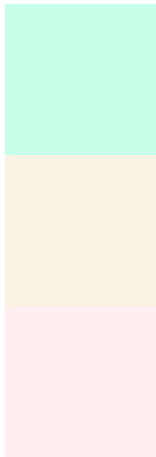


This preview shows how white text looks on a background with the CIELCh color 96, 21.570, 169.648.

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](#).

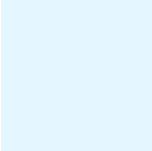
Dichromacy



Original Color
96, 21.570, 169.648

Protanopia
96, 7.700, 87.473

Deuteranopia
96, 5.806, 9.558

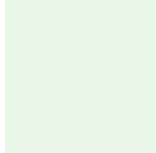


Tritanopia
96, 7.582, 236.737

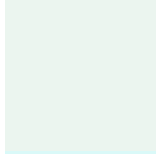
Trichromacy



Original Color
96, 21.570, 169.648



Protanomaly
96, 9.816, 142.441

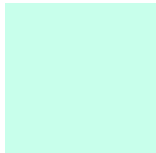


Deuteranomaly
96, 4.698, 158.417

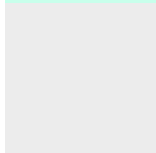


Tritanomaly
96, 10.582, 195.997

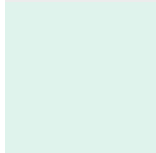
Monochromacy



Original Color
96, 21.570, 169.648



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 7.917, 171.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 21.570, 169.648 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(200, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 235)  
}
```

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(200, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.570, 169.648 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(200, 255, 235) }
```

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

```
.border{ border-color:rgb(200, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.570, 169.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 235) }
```

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

```
.background{ background-color: rgb(200,  
255, 235) }
```

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