

Converting Colors

CIELCh(97, 18.985, 193.183)

Have a look what the booklet for
CIELCh(97, 18.985, 193.183)
contains.

CIELCh(96, 18.157, 196.674)	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, 18.157, 196.674)

Conversions

Conversions Part 1

Format	Color
Hex	C7FEFD
RGB	199, 254, 253
RGB Percent	78%, 100%, 99%
CMY	0.2200, 0.0044, 0.0084
CMYK	0.22, 0.00, 0.00, 0.00
HSL	179°, 96%, 89%
HSV	179°, 22%, 100%
XYZ	76.6319, 90.0078, 106.1511
YIQ	237.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

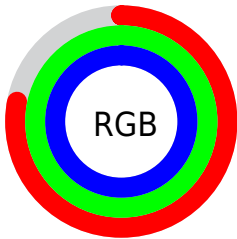
Format	Color
R_{YB}	199, 227, 254
Decimal	13106941
CIE _{Lab}	96.00, -17.39, -5.21
CIE _{LCh}	96, 18.157, 196.674
Yxy	90.0078, 0.2809, 0.3300
Android (android.graphics.Color)	4291297021 (0xFFC7FEFD)
YUV	237.4410, 7.6706, -33.7128
Hunter-Lab	94.8724, -21.8458, 0.0721

Details

The CIELCh color **96, 18.157, 196.674** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 20.884, 19.595**, 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, 18.063, 196.341** is the 20% darker color. If you saturate the color by 10%, you get **95, 25.603, 196.131**, and if you desaturate by 10%, it is **98, 10.062, 197.261**.

Distribution



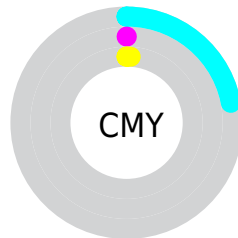
- Red (78%)
- Green (100%)
- Blue (99%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 18.157, 196.674 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, 18.157, 196.674 by changing the saturation by 10% instead.


 96, 18.157,
196.674


 96, 18.157,
196.674


 100, 18.157,
196.674


 86, 18.157,
196.674

 76, 18.157,
196.674

 66, 18.157,
196.674

 56, 18.157,
196.674

 46, 18.157,
196.674

 36, 18.157,
196.674

 26, 18.157,

196.674

■ 16, 18.157,
196.674

■ 6, 18.157, 196.674

■ 96, 18.157,
196.674

■ 96, 18.157,
196.674

■ 95, 25.603,
196.131

■ 98, 10.062,
197.261

■ 94, 32.250,
195.640

■ 99, 1.460, 198.241

■ 93, 37.964,
195.194

100, 0.450,
352.014

■ 92, 42.635,
194.793

100, 0.597,
331.770

100, 0.712,

■ 91, 46.200,
194.434

324.032

■ 91, 48.657,
194.111

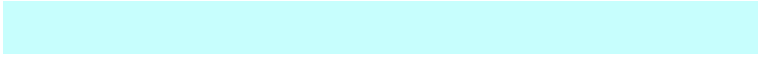
■ 91, 50.079,
193.814

■ 91, 50.651,
193.579

Harmonies

Complementary

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



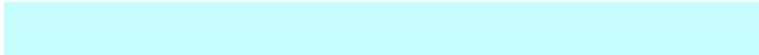
96, 18.157, 196.674



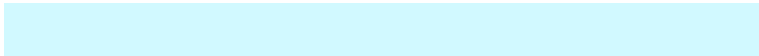
85, 20.884, 19.595

Rectangle

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



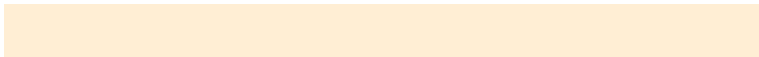
96, 18.157, 196.674



96, 18.157, 246.674



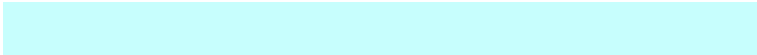
96, 18.157, 16.674



96, 18.157, 66.674

Sweetspot

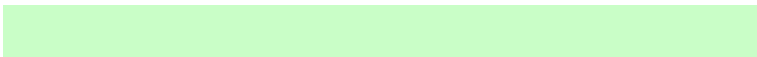
The Sweet Spot groups the original color and five complimentary colors.



96, 18.158, 196.669



99, 5.271, 197.653



95, 34.113, 142.196



53, 3.491, 197.602



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

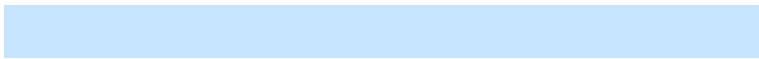
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 18.158, 196.669



96, 21.560, 196.429



89, 16.204, 254.834



52, 4.954, 197.401



70, 40.924, 193.625



24, 18.794, 193.953

Inverse Universe

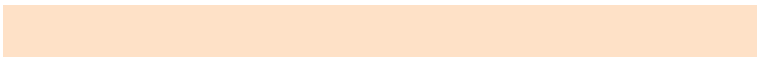
The Inverse Universe completely reimagines the original color for something new.



85, 20.884, 19.595



83, 25.580, 20.076



91, 17.390, 69.124



49, 5.252, 18.471



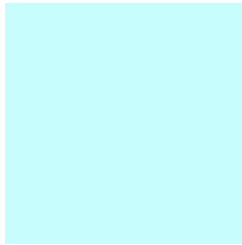
40, 83.409, 39.286



10, 33.216, 26.452

Previews

White Background



This preview shows how the CIE LCh color 96, 18.157, 196.674 looks on a white background.

Color Contrast Check

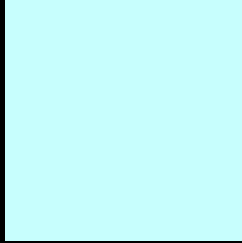
Large Text (above 18pt) WCAG AA × Fail

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, 18.157, 196.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

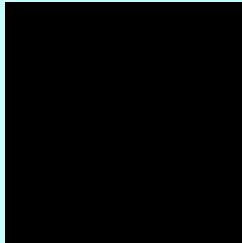
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 18.157, 196.674

Background



This preview shows how black text looks on a background with the CIELCh color 96, 18.157, 196.674.



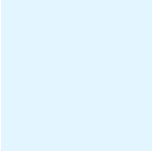
This preview shows how white text looks on a background with the CIELCh color 96, 18.157, 196.674.

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



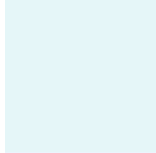


Tritanopia
96, 7.848, 235.244

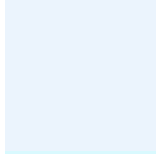
Trichromacy



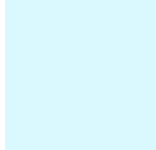
Original Color
96, 18.166, 196.670



Protanomaly
96, 5.926, 209.126

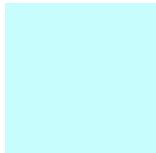


Deuteranomaly
96, 5.510, 256.414

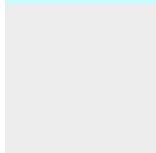


Tritanomaly
96, 11.007, 212.320

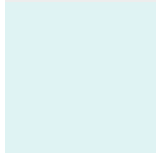
Monochromacy



Original Color
96, 18.166, 196.670



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 6.907, 199.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 18.157, 196.674 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(199, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(199, 254, 253)  
}
```

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(199, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 254, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 18.157, 196.674 is called "border". The border property can be set on classes, ids or directly on the HTML element.

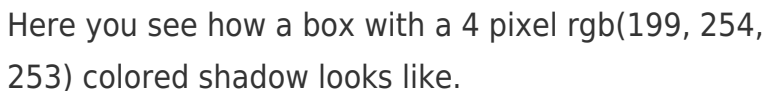
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 254, 253) }
```

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

```
.border{ border-color:rgb(199, 254, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 254, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(199, 254,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 18.157, 196.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 254, 253) }
```

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

```
.background{ background-color: rgb(199,  
254, 253) }
```

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