

Converting Colors

CIELCh(100, 24.701, 175.205)

Have a look what the booklet for
CIELCh(100, 24.701, 175.205)
contains.

CIELCh(96, 18.211, 190.161)	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

CIECh(96, 18.211, 190.161)

Conversions

Conversions Part 1

Format	Color
Hex	C8FEF9
RGB	200, 254, 249
RGB Percent	78%, 100%, 98%
CMY	0.2156, 0.0039, 0.0235
CMYK	0.21, 0.00, 0.02, 0.00
HSL	174°, 96%, 89%
HSV	174°, 21%, 100%
XYZ	76.3695, 90.0078, 102.9765
YIQ	237.2840, -30.5790, -13.0030

Conversions

Conversions Part 2

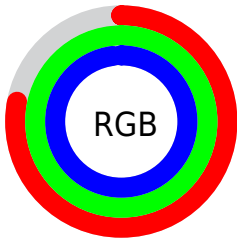
Format	Color
R _Y B	200, 228, 254
Decimal	13172473
CIE Lab	96.00, -17.93, -3.21
CIE LCh	96, 18.211, 190.161
Yxy	90.0078, 0.2835, 0.3342
Android (android.graphics.Color)	4291362553 (0xFFC8FEF9)
YUV	237.2840, 5.7760, -32.6981
Hunter-Lab	94.8724, -22.3396, 2.0561

Details

The CIELCh color **96, 18.211, 190.161** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 20.465, 13.722**, 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, 18.053, 191.155** is the 20% darker color. If you saturate the color by 10%, you get **95, 25.980, 189.365**, and if you desaturate by 10%, it is **98, 9.875, 190.957**.

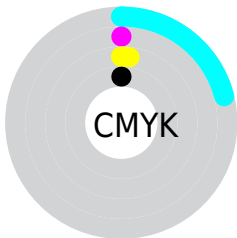
Distribution



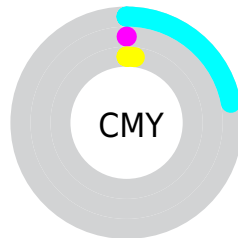
- Red (78%)
- Green (100%)
- Blue (98%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 18.211, 190.161 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, 18.211, 190.161 by changing the saturation by 10% instead.


 96, 18.211,
190.161


 96, 18.211,
190.161


 100, 18.211,
190.161


 86, 18.211,
190.161

 76, 18.211,
190.161

 66, 18.211,
190.161

 56, 18.211,
190.161

 46, 18.211,
190.161

 36, 18.211,
190.161

 26, 18.211,

190.161

■ 16, 18.211,
190.161

■ 6, 18.211, 190.161

■ 96, 18.211,
190.161

■ 96, 18.211,
190.161

■ 95, 25.980,
189.365

■ 98, 9.875, 190.957

■ 93, 33.026,
188.566

■ 99, 1.114, 192.233

■ 100, 0.626,
323.969

■ 92, 39.205,
187.746

■ 92, 44.390,
186.894

■ 91, 48.500,
185.994

■ 91, 51.513,
185.027

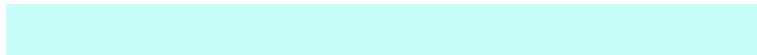
■ 90, 53.487,
183.977

■ 90, 54.542,
182.992

Harmonies

Complementary

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



96, 18.211, 190.161



85, 20.465, 13.722

Rectangle

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



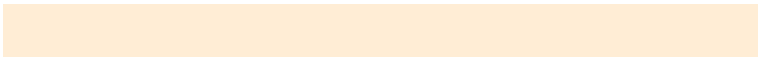
96, 18.211, 190.161



96, 18.211, 240.161



96, 18.211, 10.161



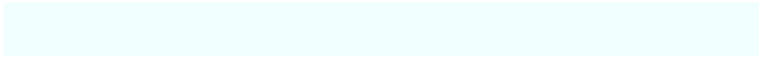
96, 18.211, 60.161

Sweetspot

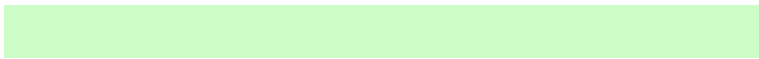
The Sweet Spot groups the original color and five complimentary colors.



96, 18.212, 190.156



99, 5.337, 191.414



95, 32.774, 140.505



53, 3.536, 191.353



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

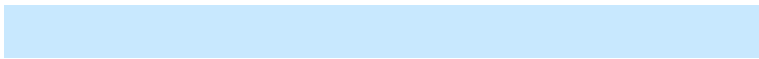
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 18.212, 190.156



96, 21.268, 189.859



90, 15.210, 246.628



52, 5.025, 191.102



70, 43.983, 183.198



23, 19.991, 184.664

Inverse Universe

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



85, 20.465, 13.722



83, 24.444, 14.181



90, 16.698, 61.701



50, 5.283, 12.474



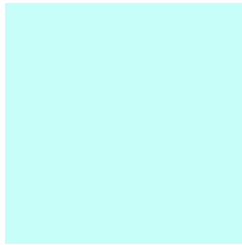
40, 80.325, 36.322



10, 32.652, 23.423

Previews

White Background



This preview shows how the CIE LCh color 96, 18.211, 190.161 looks on a white background.

Color Contrast Check

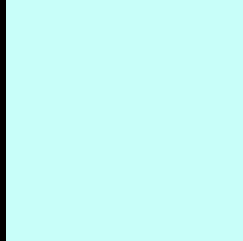
Large Text (above 18pt) WCAG AA × Fail

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, 18.211, 190.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

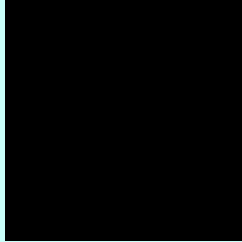
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 18.211, 190.161

Background



This preview shows how black text looks on a background with the CIELCh color 96, 18.211, 190.161.

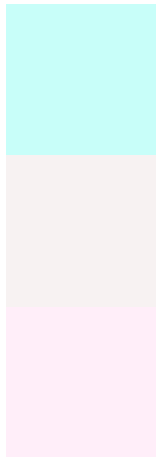


This preview shows how white text looks on a background with the CIELCh color 96, 18.211, 190.161.

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](#).

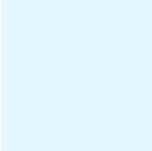
Dichromacy



Original Color
96, 18.220, 190.155

Protanopia
96, 1.770, 19.163

Deuteranopia
96, 8.268, 336.938

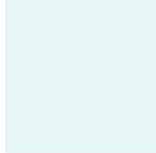


Tritanopia
96, 7.582, 236.737

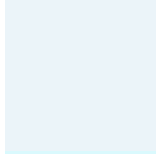
Trichromacy



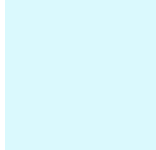
Original Color
96, 18.220, 190.155



Protanomaly
96, 5.578, 193.875

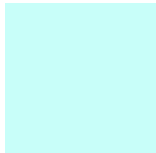


Deuteranomaly
96, 4.001, 239.318

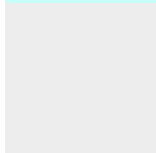


Tritanomaly
96, 10.613, 209.997

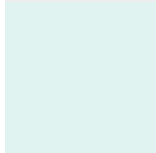
Monochromacy



Original Color
96, 18.220, 190.155



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 6.690, 190.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 18.211, 190.161 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, 254, 249)` looks like.

```
.text, #text, p{  
    color:rgb(200, 254, 249)  
}
```

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, 254, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 254, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 18.211, 190.161 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, 254, 249) }
```

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

```
.border{ border-color:rgb(200, 254, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 254, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 254, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 254, 249);  
box-shadow:4px 4px 4px 4px rgb(200, 254,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 18.211, 190.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 254, 249) }
```

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

```
.background{ background-color: rgb(200,  
254, 249) }
```

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