

Converting Colors

CIELCh(96, 19.130, 198.242)

Have a look what the booklet for
CIELCh(96, 19.130, 198.242)
contains.

CIELCh(96, 19.021, 198.246)	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, 19.021, 198.246)

Conversions

Conversions Part 1

Format	Color
Hex	C4FEFE
RGB	196, 254, 254
RGB Percent	77%, 100%, 100%
CMY	0.2303, 0.0028, 0.0028
CMYK	0.23, 0.00, 0.00, 0.00
HSL	180°, 98%, 88%
HSV	180°, 23%, 100%
XYZ	76.3009, 90.0078, 107.3531
YIQ	236.6580, -34.5680, -12.2960

Conversions

Conversions Part 2

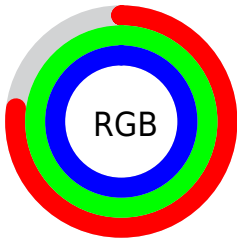
Format	Color
RYB	196, 225, 254
Decimal	12910334
CIELab	96.00, -18.06, -5.96
CIELCh	96, 19.021, 198.246
Yxy	90.0078, 0.2788, 0.3289
Android (android.graphics.Color)	4291100414 (0xFFC4FEFE)
YUV	236.6580, 8.5496, -35.6571
Hunter-Lab	94.8724, -22.4687, -0.6790

Details

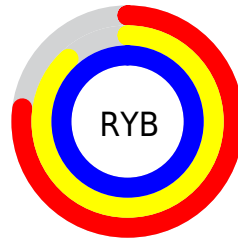
The CIELCh color **96, 19.021, 198.246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 22.172, 21.127**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.347, 201.292**, and **76, 18.905, 198.002** is the 20% darker color. If you saturate the color by 10%, you get **95, 26.335, 197.784**, and if you desaturate by 10%, it is **98, 11.022, 198.763**.

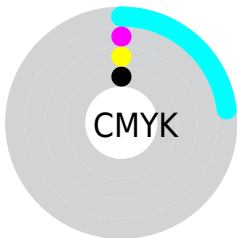
Distribution



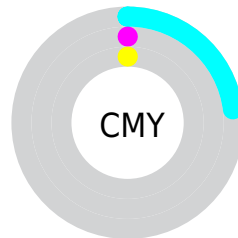
- Red (77%)
- Green (100%)
- Blue (100%)



- Red (77%)
- Yellow (88%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 19.021, 198.246 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, 19.021, 198.246 by changing the saturation by 10% instead.


 96, 19.021,
198.246


 96, 19.021,
198.246


 100, 19.021,
198.246


 86, 19.021,
198.246

 76, 19.021,
198.246

 66, 19.021,
198.246

 56, 19.021,
198.246

 46, 19.021,
198.246

 36, 19.021,
198.246

 26, 19.021,

198.246

■ 16, 19.021,
198.246

■ 6, 19.021, 198.246

■ 96, 19.021,
198.246

■ 96, 19.021,
198.246

■ 95, 26.335,
197.784

■ 98, 11.022,
198.763

■ 94, 32.817,
197.389

■ 99, 2.480, 199.509

100, 0.251, 16.657

■ 93, 38.337,
197.059

100, 0.251, 16.474

■ 92, 42.795,
196.796

100, 0.251, 16.291

■ 91, 46.139,
196.601

100, 0.251, 16.109

100, 0.251, 15.926

■ 91, 48.379,
196.472

100, 0.252, 15.743

■ 91, 49.603,
196.401

100, 0.252, 15.560

■ 91, 50.011,
196.377

Harmonies

Complementary

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



96, 19.021, 198.246



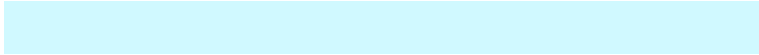
84, 22.172, 21.127

Rectangle

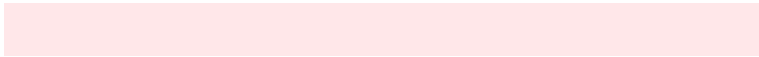
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



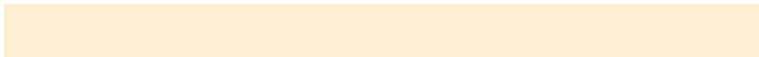
96, 19.021, 198.246



96, 19.021, 248.246



96, 19.021, 18.246



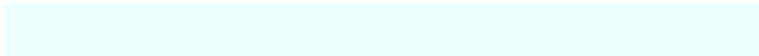
96, 19.021, 68.246

Sweetspot

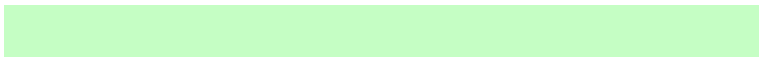
The Sweet Spot groups the original color and five complimentary colors.



96, 19.022, 198.241



99, 6.127, 199.120



95, 36.189, 142.520



53, 3.975, 199.079



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

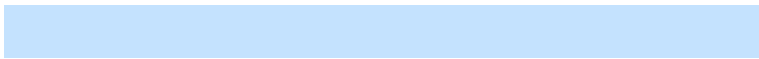
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 19.022, 198.241



96, 22.226, 198.042



89, 17.320, 256.956



52, 4.945, 198.957



70, 40.367, 196.377



24, 18.571, 196.378

Inverse Universe

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



84, 22.172, 21.127



82, 26.729, 21.584



91, 18.543, 70.788



49, 5.254, 19.938



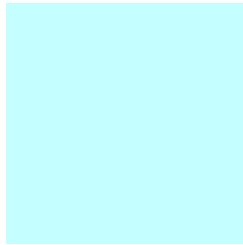
40, 84.227, 39.998



10, 33.367, 27.174

Previews

White Background



This preview shows how the CIE LCh color 96, 19.021, 198.246 looks on a white background.

Color Contrast Check

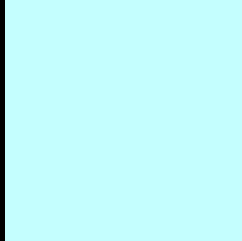
Large Text (above 18pt) WCAG AA × Fail

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, 19.021, 198.246 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, 19.021, 198.246

Background



This preview shows how black text looks on a background with the CIELCh color 96, 19.021, 198.246.

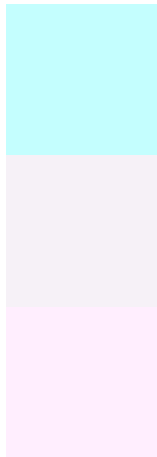


This preview shows how white text looks on a background with the CIELCh color 96, 19.021, 198.246.

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, 19.021, 198.246

Protanopia

96, 3.570, 319.838

Deuteranopia

96, 10.185, 326.406



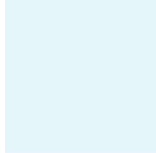
Tritanopia

96, 7.848, 235.244

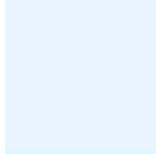
Trichromacy



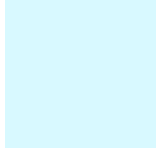
Original Color
96, 19.021, 198.246



Protanomaly
96, 6.465, 217.662

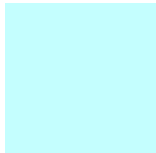


Deuteranomaly
96, 6.114, 256.511

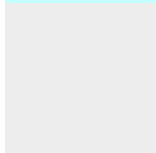


Tritanomaly
96, 11.415, 214.483

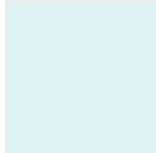
Monochromacy



Original Color
96, 19.021, 198.246



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 7.245, 199.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 19.021, 198.246 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(196, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(196, 254, 254)  
}
```

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(196, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 254, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 19.021, 198.246 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(196, 254, 254) }
```

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

```
.border{ border-color:rgb(196, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 254, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 254, 254); box-shadow:4px 4px 4px 4px rgb(196, 254, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 19.021, 198.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 254, 254) }
```

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

```
.background{ background-color: rgb(196,  
254, 254) }
```

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