

Converting Colors

CIELCh(96, 18.308, 198.294)

Have a look what the booklet for
CIELCh(96, 18.308, 198.294)
contains.

CIELCh(96, 18.414, 198.284)	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, 18.414, 198.284)

Conversions

Conversions Part 1

Format	Color
Hex	C6FEFE
RGB	198, 254, 254
RGB Percent	78%, 100%, 100%
CMY	0.2237, 0.0041, 0.0041
CMYK	0.22, 0.00, 0.00, 0.00
HSL	180°, 96%, 89%
HSV	180°, 22%, 100%
XYZ	76.5871, 90.0078, 107.0647
YIQ	237.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

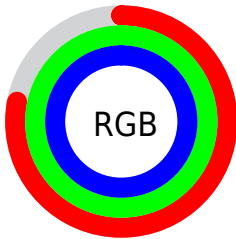
Format	Color
RYB	198, 226, 254
Decimal	13041406
CIELab	96.00, -17.48, -5.78
CIELCh	96, 18.414, 198.284
Yxy	90.0078, 0.2799, 0.3289
Android (android.graphics.Color)	4291231486 (0xFFC6FEFE)
YUV	237.2560, 8.2548, -34.4275
Hunter-Lab	94.8724, -21.9302, -0.4988

Details

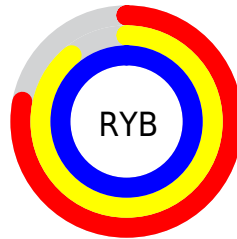
The CIELCh color **96, 18.414, 198.284** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 21.345, 21.049**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 18.299, 198.048** is the 20% darker color. If you saturate the color by 10%, you get **95, 25.778, 197.817**, and if you desaturate by 10%, it is **98, 10.377, 198.807**.

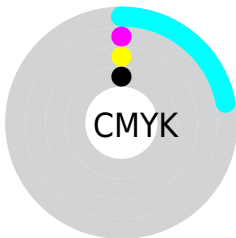
Distribution



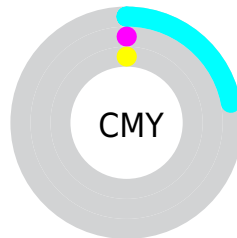
- Red (78%)
- Green (100%)
- Blue (100%)



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



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 18.414, 198.284 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, 18.414, 198.284 by changing the saturation by 10% instead.

 96, 18.414,
198.284


 96, 18.414,
198.284


 100, 18.414,
198.284


 86, 18.414,
198.284


 76, 18.414,
198.284

 66, 18.414,
198.284

 56, 18.414,
198.284

 46, 18.414,
198.284

 36, 18.414,
198.284

 26, 18.414,

198.284

■ 16, 18.414,
198.284

■ 6, 18.414, 198.284

■ 96, 18.414,
198.284

■ 96, 18.414,
198.284

■ 95, 25.778,
197.817

■ 98, 10.377,
198.807

■ 94, 32.322,
197.418

■ 99, 1.809, 199.651

100, 0.365, 17.526

■ 93, 37.914,
197.083

100, 0.365, 17.408

■ 92, 42.451,
196.815

100, 0.365, 17.290

■ 91, 45.877,
196.614

100, 0.365, 17.172

100, 0.365, 17.055

■ 91, 48.198,
196.480

100, 0.365, 16.937

■ 91, 49.493,
196.405

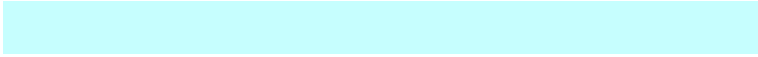
100, 0.365, 16.819

■ 91, 49.962,
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, 18.414, 198.284



85, 21.345, 21.049

Rectangle

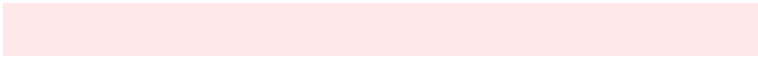
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 18.414, 198.284



96, 18.414, 248.284



96, 18.414, 18.284



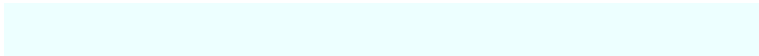
96, 18.414, 68.284

Sweetspot

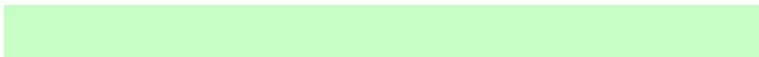
The Sweet Spot groups the original color and five complimentary colors.



96, 18.415, 198.279



99, 6.127, 199.120



95, 34.941, 142.580



53, 3.975, 199.079



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

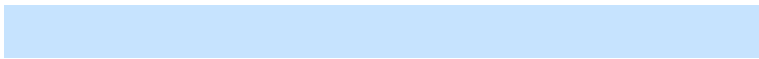
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 18.415, 198.279



96, 21.482, 198.089



89, 16.733, 256.822



52, 4.945, 198.958



70, 40.367, 196.377



24, 18.570, 196.378

Inverse Universe

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



85, 21.345, 21.049



82, 25.641, 21.471



91, 17.870, 70.881



49, 5.254, 19.939



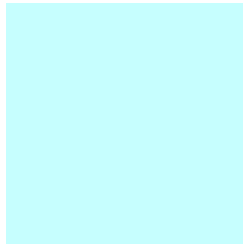
40, 84.227, 39.998



10, 33.367, 27.174

Previews

White Background



This preview shows how the CIE LCh color 96, 18.414, 198.284 looks on a white background.

Color Contrast Check

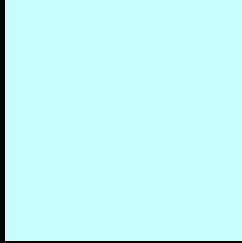
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 96, 18.414, 198.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

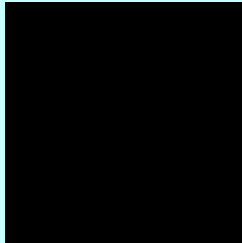
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 18.414, 198.284

Background



This preview shows how black text looks on a background with the CIELCh color 96, 18.414, 198.284.

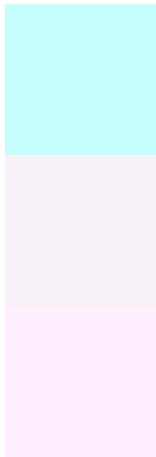


This preview shows how white text looks on a background with the CIELCh color 96, 18.414, 198.284.

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](#).

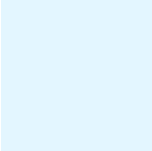
Dichromacy



Original Color
96, 18.414, 198.284

Protanopia
96, 2.946, 318.819

Deuteranopia
96, 10.185, 326.406

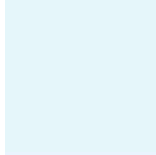


Tritanopia
96, 7.848, 235.244

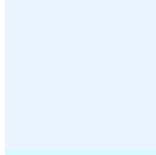
Trichromacy



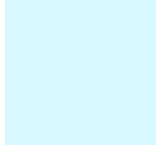
Original Color
96, 18.414, 198.284



Protanomaly
96, 6.148, 218.680

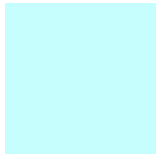


Deuteranomaly
96, 6.114, 256.511

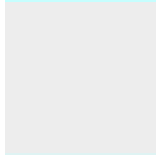


Tritanomaly
96, 11.415, 214.483

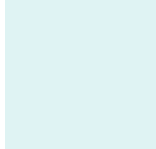
Monochromacy



Original Color
96, 18.414, 198.284



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, 18.414, 198.284 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, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 254, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 18.414, 198.284 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, 254, 254) }
```

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

```
.border{ border-color:rgb(198, 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(198, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(198, 254,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 18.414, 198.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 254, 254) }
```

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

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