

Converting Colors

CIELCh(96, 18.890, 160.171)

Have a look what the booklet for
CIELCh(96, 18.890, 160.171)
contains.

CIELCh(96, 18.939, 159.794)	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, 18.939, 159.794)

Conversions

Conversions Part 1

Format	Color
Hex	D3FDE6
RGB	211, 253, 230
RGB Percent	83%, 99%, 90%
CMY	0.1716, 0.0069, 0.0971
CMYK	0.17, 0.00, 0.09, 0.01
HSL	147°, 92%, 91%
HSV	147°, 17%, 99%
XYZ	76.4444, 90.0078, 88.3771
YIQ	237.8200, -17.6490, -16.0570

Conversions

Conversions Part 2

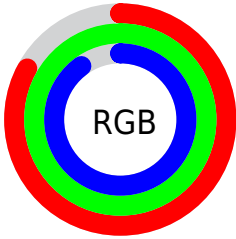
Format	Color
R_{YB}	211, 240, 253
Decimal	13893094
CIE Lab	96.00, -17.77, 6.54
CIE LCh	96, 18.939, 159.794
Yxy	90.0078, 0.3000, 0.3532
Android (android.graphics.Color)	4292083174 (0xFFD3FDE6)
YUV	237.8200, -3.8553, -23.5211
Hunter-Lab	94.8724, -22.1986, 11.1800

Details

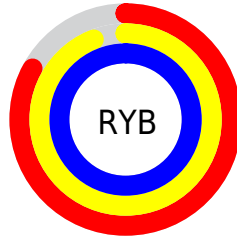
The CIELCh color **96, 18.939, 159.794** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **89, 19.261, 342.527**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 18.592, 160.587** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.270, 158.800**, and if you desaturate by 10%, it is **98, 7.511, 160.704**.

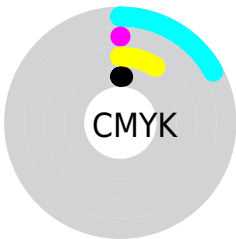
Distribution



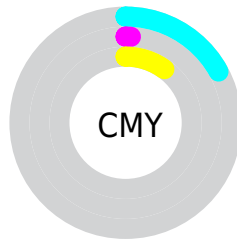
- Red (83%)
- Green (99%)
- Blue (90%)



- Red (83%)
- Yellow (94%)
- Blue (99%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)





- Cyan (17%)
- Magenta (1%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 18.939, 159.794 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, 18.939, 159.794 by changing the saturation by 10% instead.


 96, 18.939,
159.794

 96, 18.939,
159.794


 100, 18.939,
159.794


 86, 18.939,
159.794


 76, 18.939,
159.794

 66, 18.939,
159.794

 56, 18.939,
159.794

 46, 18.939,
159.794

 36, 18.939,
159.794

 26, 18.939,

159.794

■ 16, 18.939,
159.794

■ 6, 18.939, 159.794

■ 96, 18.939,
159.794

■ 96, 18.939,
159.794

■ 94, 30.270,
158.800

■ 98, 7.511, 160.704

■ 93, 41.328,
157.684

100, 1.101,
324.199

■ 91, 51.924,
156.417

■ 90, 61.855,
154.971

■ 89, 70.933,
153.326

■ 89, 79.009,
151.468

■ 88, 86.012,
149.399

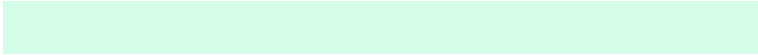
■ 88, 91.968,
147.158

■ 88, 93.838,
146.400

Harmonies

Complementary

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



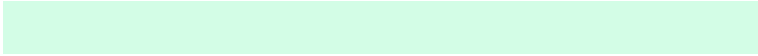
96, 18.939, 159.794



89, 19.261, 342.527

Rectangle

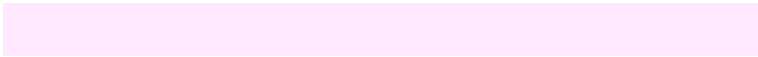
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



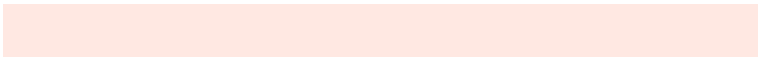
96, 18.939, 159.794



96, 18.939, 209.794



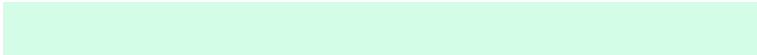
96, 18.939, 339.794



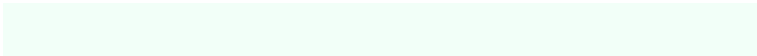
96, 18.939, 29.794

Sweetspot

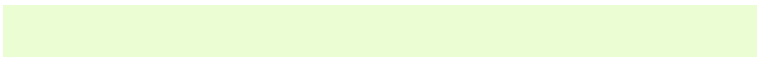
The Sweet Spot groups the original color and five complimentary colors.



96, 18.941, 159.792



99, 5.727, 160.853



97, 22.455, 126.518



53, 3.909, 160.786



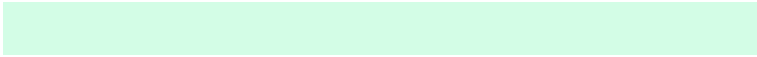
0, 0.000, 0.000



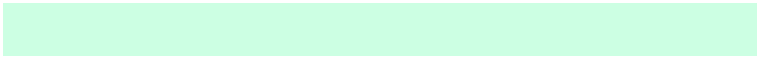
53, 0.007, 296.813

Same Dimension

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



96, 18.941, 159.792



96, 22.953, 159.465



97, 14.188, 194.182



52, 6.524, 160.440



68, 75.307, 146.815



23, 32.416, 150.015

Inverse Universe

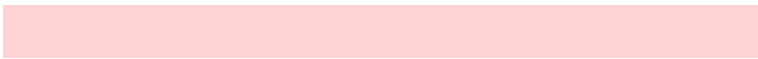
The Inverse Universe completely reimagines the original color for something new.



89, 19.261, 342.527



87, 23.416, 342.844



88, 15.655, 16.571



50, 6.593, 341.893



41, 68.998, 357.648



11, 32.398, 352.801

Previews

White Background



This preview shows how the CIE LCh color 96, 18.939, 159.794 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, 18.939, 159.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

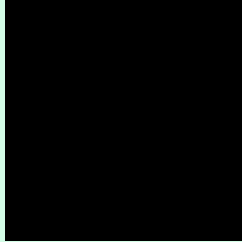
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

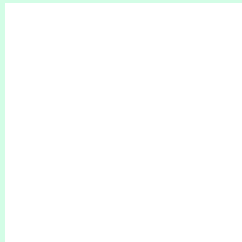
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 18.939, 159.794

Background



This preview shows how black text looks on a background with the CIELCh color 96, 18.939, 159.794.

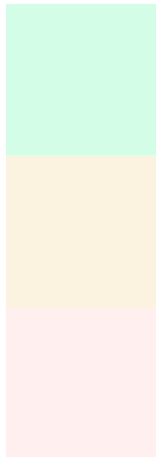


This preview shows how white text looks on a background with the CIELCh color 96, 18.939, 159.794.

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, 18.939, 159.794

Protanopia
96, 9.877, 87.735

Deuteranopia
96, 5.387, 25.079

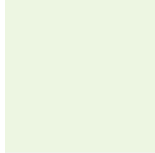


Tritanopia
96, 6.933, 247.072

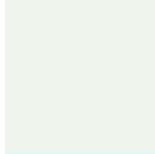
Trichromacy



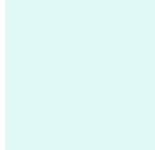
Original Color
96, 18.939, 159.794



Protanomaly
96, 10.740, 126.936



Deuteranomaly
96, 5.086, 134.556

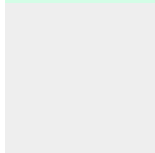


Tritanomaly
96, 8.339, 191.862

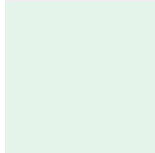
Monochromacy



Original Color
96, 18.939, 159.794



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 7.332, 159.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 18.939, 159.794 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(211, 253, 230)` looks like.

```
.text, #text, p{  
    color:rgb(211, 253, 230)  
}
```

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(211, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 253, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 18.939, 159.794 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(211, 253, 230) }
```

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

```
.border{ border-color:rgb(211, 253, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 253, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(211, 253,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 18.939, 159.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 253, 230) }
```

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

```
.background{ background-color: rgb(211,  
253, 230) }
```

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