

Converting Colors

CIELCh(100, 27.806, 156.319)

Have a look what the booklet for
CIELCh(100, 27.806, 156.319)
contains.

CIELCh(96, 19.979, 162.082)	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, 19.979, 162.082)

Conversions

Conversions Part 1

Format	Color
Hex	D0FEE7
RGB	208, 254, 231
RGB Percent	82%, 100%, 91%
CMY	0.1845, 0.0042, 0.0943
CMYK	0.18, 0.00, 0.09, 0.00
HSL	150°, 96%, 91%
HSV	150°, 18%, 100%
XYZ	75.8362, 90.0078, 88.9393
YIQ	237.6240, -20.0330, -16.9050

Conversions

Conversions Part 2

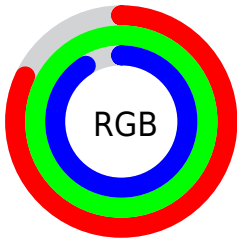
Format	Color
R _Y B	208, 239, 254
Decimal	13696743
CIE Lab	96.00, -19.01, 6.15
CIE LCh	96, 19.979, 162.082
Yxy	90.0078, 0.2976, 0.3533
Android (android.graphics.Color)	4291886823 (0xFFD0FEE7)
YUV	237.6240, -3.2656, -25.9802
Hunter-Lab	94.8724, -23.3430, 10.8286

Details

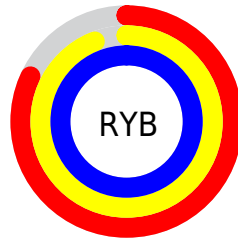
The CIELCh color **96, 19.979, 162.082** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **88, 20.445, 345.230**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 20.033, 161.685** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.860, 161.045**, and if you desaturate by 10%, it is **98, 8.948, 163.029**.

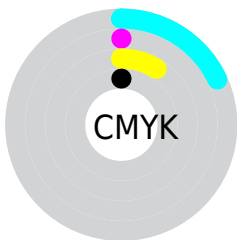
Distribution



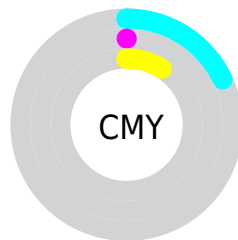
- Red (82%)
- Green (100%)
- Blue (91%)



- Red (82%)
- Yellow (94%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 19.979, 162.082 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, 19.979, 162.082 by changing the saturation by 10% instead.


 96, 19.979,
162.082


 96, 19.979,
162.082


 100, 19.979,
162.082


 86, 19.979,
162.082


 76, 19.979,
162.082

 66, 19.979,
162.082

 56, 19.979,
162.082

 46, 19.979,
162.082

 36, 19.979,
162.082

 26, 19.979,

162.082

■ 16, 19.979,
162.082

■ 6, 19.979, 162.082

■ 96, 19.979,
162.082

■ 96, 19.979,
162.082

■ 94, 30.860,
161.045

■ 98, 8.948, 163.029

■ 93, 41.418,
159.886

100, 0.672,
324.005

■ 91, 51.465,
158.575

■ 90, 60.811,
157.088

■ 90, 69.284,
155.399

■ 89, 76.760,
153.494

■ 88, 83.196,
151.376

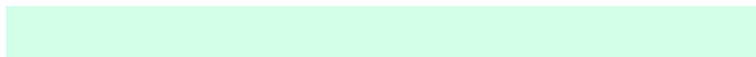
■ 88, 88.674,
149.088

■ 88, 89.654,
148.661

Harmonies

Complementary

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



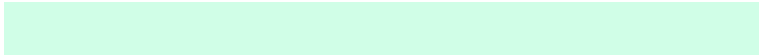
96, 19.979, 162.082



88, 20.445, 345.230

Rectangle

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



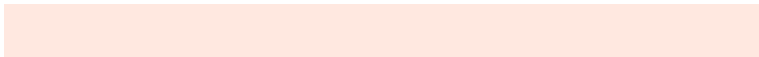
96, 19.979, 162.082



96, 19.979, 212.082



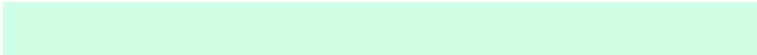
96, 19.979, 342.082



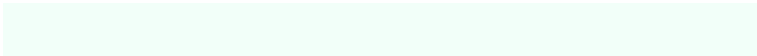
96, 19.979, 32.082

Sweetspot

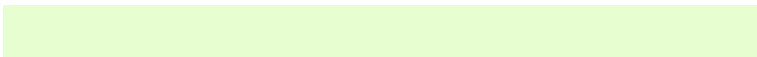
The Sweet Spot groups the original color and five complimentary colors.



96, 19.981, 162.080



99, 5.534, 163.329



97, 24.846, 128.244



53, 3.777, 163.259



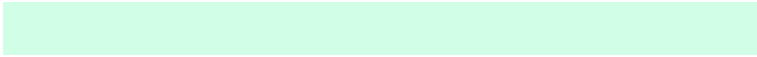
0, 0.000, 0.000



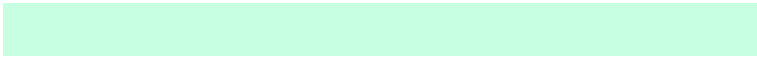
53, 0.007, 296.813

Same Dimension

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



96, 19.981, 162.080



96, 24.330, 161.689



97, 15.313, 198.483



52, 6.301, 162.898



68, 71.807, 149.088



23, 30.968, 152.319

Inverse Universe

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



88, 20.445, 345.230



86, 25.014, 345.622



87, 17.253, 20.672



50, 6.382, 344.413



41, 68.246, 2.121



10, 31.868, 356.520

Previews

White Background



This preview shows how the CIE LCh color 96, 19.979, 162.082 looks on a white background.

Color Contrast Check

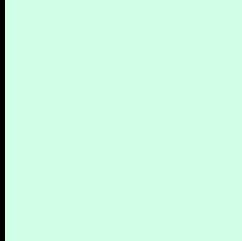
Large Text (above 18pt) WCAG AA × Fail

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, 19.979, 162.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

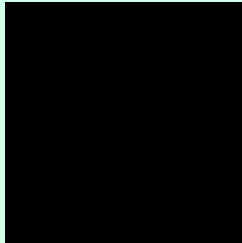
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

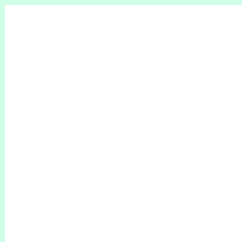
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 19.979, 162.082

Background



This preview shows how black text looks on a background with the CIELCh color 96, 19.979, 162.082.

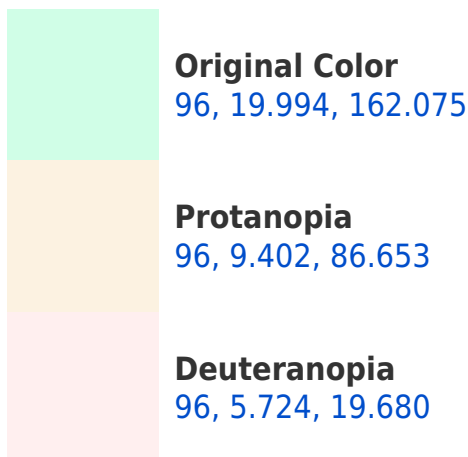


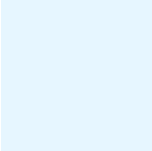
This preview shows how white text looks on a background with the CIELCh color 96, 19.979, 162.082.

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



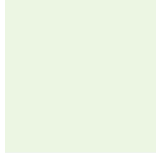


Tritanopia
96, 7.066, 240.063

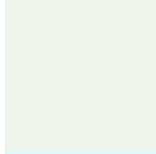
Trichromacy



Original Color
96, 19.994, 162.075



Protanomaly
96, 10.379, 129.661

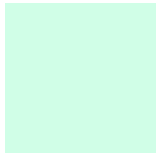


Deuteranomaly
96, 4.629, 137.203

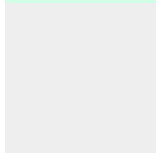


Tritanomaly
96, 9.426, 189.451

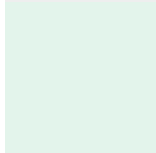
Monochromacy



Original Color
96, 19.994, 162.075



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 7.606, 161.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 19.979, 162.082 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(208, 254, 231)` looks like.

```
.text, #text, p{  
    color:rgb(208, 254, 231)  
}
```

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(208, 254, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 254, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 19.979, 162.082 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(208, 254, 231) }
```

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

```
.border{ border-color:rgb(208, 254, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 254, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 254, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 254, 231);  
box-shadow:4px 4px 4px 4px rgb(208, 254,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 19.979, 162.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 254, 231) }
```

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

```
.background{ background-color: rgb(208,  
254, 231) }
```

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