

Converting Colors

CIELCh(100, 27.647, 166.576)

Have a look what the booklet for
CIELCh(100, 27.647, 166.576)
contains.

CIELCh(96, 19.847, 178.497)	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, 19.847, 178.497)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFF2
RGB	200, 255, 242
RGB Percent	78%, 100%, 95%
CMY	0.2166, 0.0009, 0.0519
CMYK	0.22, 0.00, 0.05, 0.00
HSL	166°, 99%, 89%
HSV	166°, 22%, 100%
XYZ	75.4296, 90.0078, 97.2127
YIQ	237.0730, -28.6070, -15.7030

Conversions

Conversions Part 2

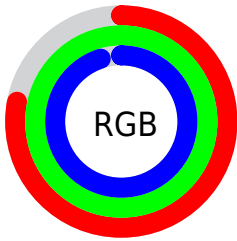
Format	Color
R_{YB}	200, 231, 255
Decimal	13172722
CIE _{Lab}	96.00, -19.84, 0.52
CIE _{LCh}	96, 19.847, 178.497
Yxy	90.0078, 0.2872, 0.3427
Android (android.graphics.Color)	4291362802 (0xFFC8FFF2)
YUV	237.0730, 2.4290, -32.5130
Hunter-Lab	94.8724, -24.1079, 5.6582

Details

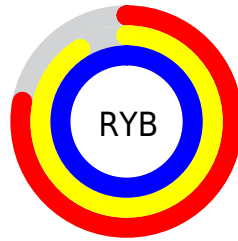
The CIELCh color **96, 19.847, 178.497** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 21.479, 2.776**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 19.758, 178.753** is the 20% darker color. If you saturate the color by 10%, you get **95, 28.461, 177.433**, and if you desaturate by 10%, it is **98, 10.810, 179.501**.

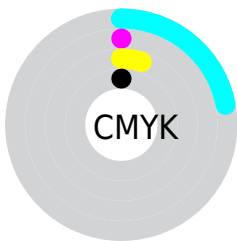
Distribution



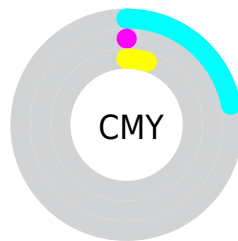
- Red (78%)
- Green (100%)
- Blue (95%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 19.847, 178.497 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, 19.847, 178.497 by changing the saturation by 10% instead.


 96, 19.847,
178.497


 96, 19.847,
178.497


 100, 19.847,
178.497


 86, 19.847,
178.497

 76, 19.847,
178.497

 66, 19.847,
178.497

 56, 19.847,
178.497

 46, 19.847,
178.497

 36, 19.847,
178.497

 26, 19.847,

178.497

■ 16, 19.847,
178.497

■ 6, 19.847, 178.497

■ 96, 19.847,
178.497

■ 96, 19.847,
178.497

■ 95, 28.461,
177.433

■ 98, 10.810,
179.501

■ 93, 36.488,
176.293

■ 100, 1.491,
180.775

■ 92, 43.769,
175.051

■ 100, 0.158,
322.490

■ 91, 50.159,
173.683

■ 91, 55.553,
172.163

■ 90, 59.906,
170.469

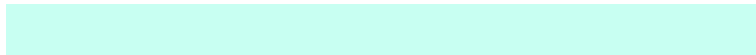
■ 90, 63.261,
168.586

■ 90, 65.481,
166.888

Harmonies

Complementary

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



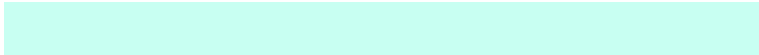
96, 19.847, 178.497



86, 21.479, 2.776

Rectangle

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



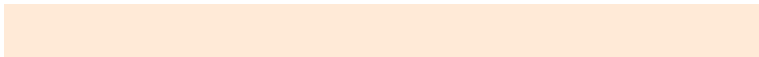
96, 19.847, 178.497



96, 19.847, 228.497



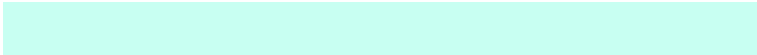
96, 19.847, 358.497



96, 19.847, 48.497

Sweetspot

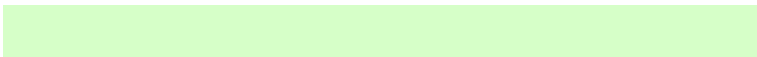
The Sweet Spot groups the original color and five complimentary colors.



96, 19.848, 178.493



99, 5.634, 180.076



96, 31.840, 136.258



53, 3.735, 180.006



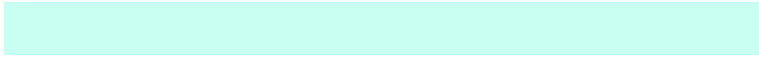
0, 0.000, 0.000



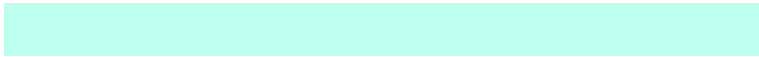
53, 0.007, 296.813

Same Dimension

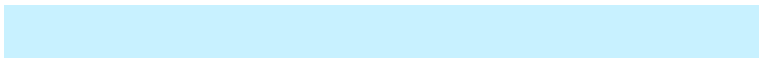
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 19.848, 178.493



95, 23.729, 178.034



93, 15.102, 226.849



52, 5.320, 179.711



69, 52.502, 167.266



23, 23.288, 169.996

Inverse Universe

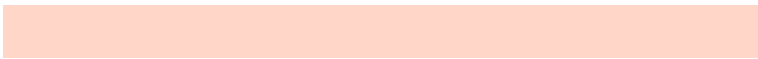
The Inverse Universe completely reimagines the original color for something new.



86, 21.479, 2.776



83, 26.128, 3.357



89, 17.330, 44.560



50, 5.505, 1.367



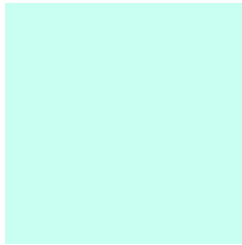
40, 73.225, 26.747



10, 31.774, 16.785

Previews

White Background



This preview shows how the CIE LCh color 96, 19.847, 178.497 looks on a white background.

Color Contrast Check

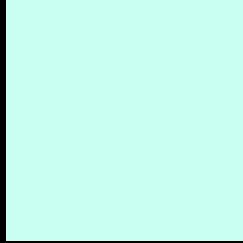
Large Text (above 18pt) WCAG AA × Fail

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, 19.847, 178.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

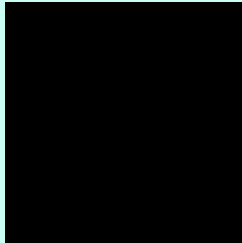
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

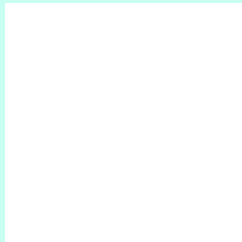
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 19.847, 178.497

Background



This preview shows how black text looks on a background with the CIELCh color 96, 19.847, 178.497.



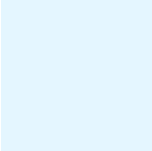
This preview shows how white text looks on a background with the CIELCh color 96, 19.847, 178.497.

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



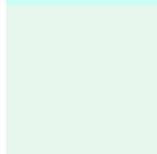


Tritanopia
96, 7.582, 236.737

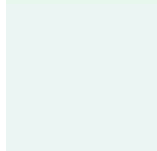
Trichromacy



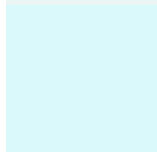
Original Color
96, 19.847, 178.497



Protanomaly
96, 7.658, 157.059



Deuteranomaly
96, 3.654, 183.050

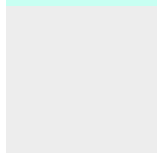


Tritanomaly
96, 10.521, 201.599

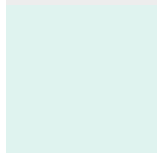
Monochromacy



Original Color
96, 19.847, 178.497



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 7.289, 182.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 19.847, 178.497 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, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 242)  
}
```

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, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 19.847, 178.497 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, 255, 242) }
```

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

```
.border{ border-color:rgb(200, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 19.847, 178.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 242) }
```

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

```
.background{ background-color: rgb(200,  
255, 242) }
```

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