

Converting Colors

CIELCh(94, 16.712, 176.628)

Have a look what the booklet for
CIELCh(94, 16.712, 176.628)
contains.

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Color

CIELCh(94, 16.721, 176.611)

Conversions

Conversions Part 1

Format	Color
Hex	CAF7EB
RGB	202, 247, 235
RGB Percent	79%, 97%, 92%
CMY	0.2069, 0.0304, 0.0775
CMYK	0.18, 0.00, 0.05, 0.03
HSL	164°, 74%, 88%
HSV	164°, 18%, 97%
XYZ	72.7861, 85.2715, 91.4021
YIQ	232.1770, -22.9680, -13.2720

Conversions

Conversions Part 2

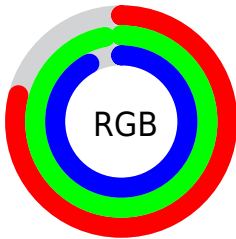
Format	Color
R_{YB}	202, 228, 247
Decimal	13301739
CIE _{Lab}	94.00, -16.69, 0.99
CIE _{LCh}	94, 16.721, 176.611
Yxy	85.2715, 0.2918, 0.3418
Android (android.graphics.Color)	4291491819 (0xFFCAF7EB)
YUV	232.1770, 1.3917, -26.4652
Hunter-Lab	92.3426, -20.9026, 5.9537

Details

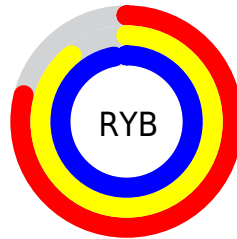
The CIELCh color **94, 16.721, 176.611** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 17.748, 0.147**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 17.112, 175.709** is the 20% darker color. If you saturate the color by 10%, you get **92, 25.491, 175.548**, and if you desaturate by 10%, it is **96, 7.619, 177.624**.

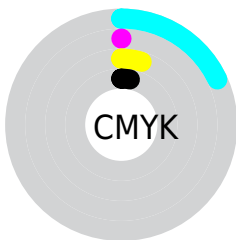
Distribution



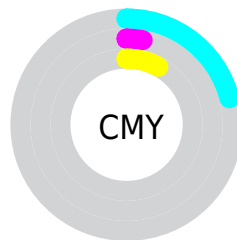
- Red (79%)
- Green (97%)
- Blue (92%)



- Red (79%)
- Yellow (89%)
- Blue (97%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)





- Cyan (21%)
- Magenta (3%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 16.721, 176.611 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 94, 16.721, 176.611 by changing the saturation by 10% instead.


 94, 16.721,
176.611


 94, 16.721,
176.611


 100, 16.721,
176.611


 84, 16.721,
176.611

 74, 16.721,
176.611

 64, 16.721,
176.611

 54, 16.721,
176.611

 44, 16.721,
176.611

 34, 16.721,
176.611

 24, 16.721,

176.611

■ 14, 16.721,
176.611

■ 4, 16.721, 176.611

■ 94, 16.721,
176.611

■ 94, 16.721,
176.611

■ 92, 25.491,
175.548

■ 96, 7.619, 177.624

■ 91, 33.772,
174.408

■ 98, 1.686, 358.125

■ 98, 4.826, 324.546

■ 90, 41.404,
173.163

■ 89, 48.237,
171.789

■ 88, 54.146,
170.261

■ 88, 59.062,
168.554

■ 87, 62.988,
166.652

■ 87, 66.051,
164.567

■ 87, 66.563,
164.193

Harmonies

Complementary

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



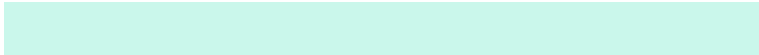
94, 16.721, 176.611



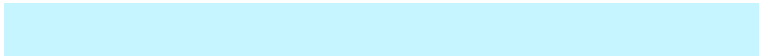
86, 17.748, 0.147

Rectangle

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



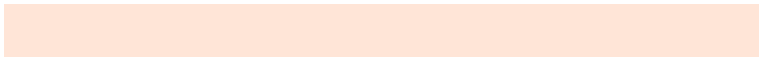
94, 16.721, 176.611



94, 16.721, 226.611



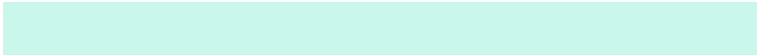
94, 16.721, 356.611



94, 16.721, 46.611

Sweetspot

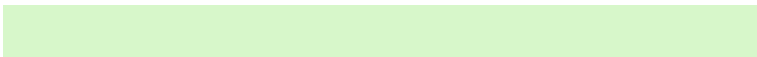
The Sweet Spot groups the original color and five complimentary colors.



94, 16.723, 176.607



99, 4.771, 177.970



94, 25.931, 135.428



53, 3.254, 177.890



0, 0.000, 0.000



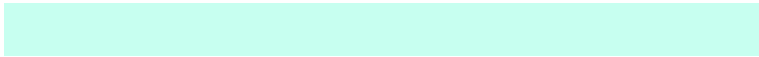
53, 0.007, 296.813

Same Dimension

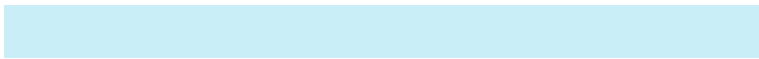
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 16.723, 176.607



96, 20.606, 176.209



92, 12.691, 222.277



50, 5.229, 177.493



67, 53.466, 164.595



21, 22.721, 167.765

Inverse Universe

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



86, 17.748, 0.147



85, 22.161, 0.617



88, 14.286, 40.966



48, 5.393, 359.157



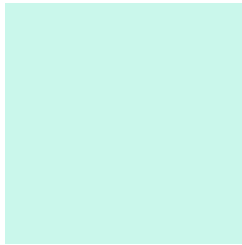
39, 70.439, 24.083



9, 29.764, 13.235

Previews

White Background



This preview shows how the CIE LCh color 94, 16.721, 176.611 looks on a white background.

Color Contrast Check

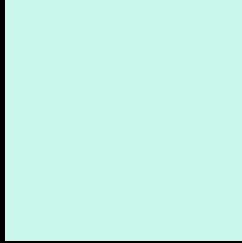
Large Text (above 18pt) WCAG AA × Fail

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 94, 16.721, 176.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

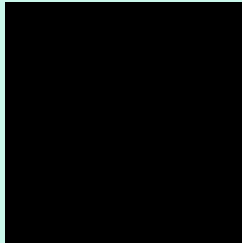
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

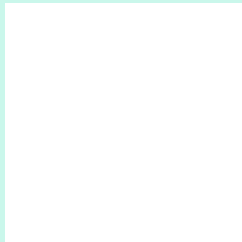
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 16.721, 176.611

Background



This preview shows how black text looks on a background with the CIELCh color 94, 16.721, 176.611.

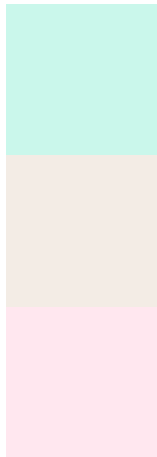


This preview shows how white text looks on a background with the CIELCh color 94, 16.721, 176.611.

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
94, 16.721, 176.611

Protanopia
94, 4.369, 74.620

Deuteranopia
94, 9.541, 354.530

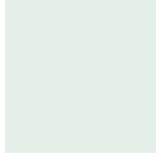


Tritanopia
94, 10.670, 241.715

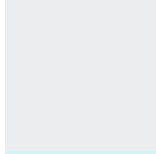
Trichromacy



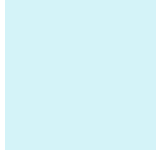
Original Color
94, 16.721, 176.611



Protanomaly
94, 6.322, 152.068



Deuteranomaly
94, 0.628, 256.187

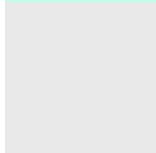


Tritanomaly
94, 10.730, 212.746

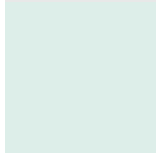
Monochromacy



Original Color
94, 16.721, 176.611



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 6.535, 175.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 16.721, 176.611 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(202, 247, 235)` looks like.

```
.text, #text, p{  
    color:rgb(202, 247, 235)  
}
```

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(202, 247, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 247, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 16.721, 176.611 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(202, 247, 235) }
```

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

```
.border{ border-color:rgb(202, 247, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 247, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(202, 247,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 16.721, 176.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 247, 235) }
```

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

```
.background{ background-color: rgb(202,  
247, 235) }
```

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](#).

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