

Converting Colors

CIELCh(96, 19.907, 173.273)

Have a look what the booklet for
CIELCh(96, 19.907, 173.273)
contains.

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Color

CIELCh(96, 20.197, 172.552)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFEE
RGB	202, 255, 238
RGB Percent	79%, 100%, 93%
CMY	0.2089, 0.0011, 0.0678
CMYK	0.21, 0.00, 0.07, 0.00
HSL	161°, 99%, 89%
HSV	161°, 21%, 100%
XYZ	75.3385, 90.0078, 94.0709
YIQ	237.2150, -26.1310, -16.5230

Conversions

Conversions Part 2

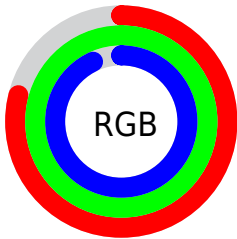
Format	Color
R_{YB}	202, 234, 255
Decimal	13303790
CIE _{Lab}	96.00, -20.03, 2.62
CIE _{LCh}	96, 20.197, 172.552
Yxy	90.0078, 0.2904, 0.3470
Android (android.graphics.Color)	4291493870 (0xFFCAFFEE)
YUV	237.2150, 0.3870, -30.8836
Hunter-Lab	94.8724, -24.2793, 7.6217

Details

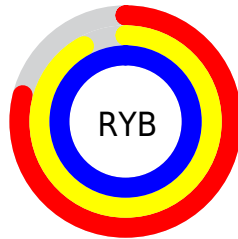
The CIELCh color **96, 20.197, 172.552** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 21.373, 356.667**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 20.163, 172.535** is the 20% darker color. If you saturate the color by 10%, you get **94, 29.476, 171.445**, and if you desaturate by 10%, it is **98, 10.587, 173.581**.

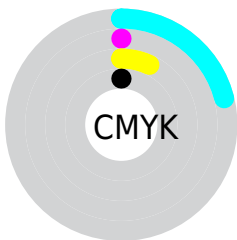
Distribution



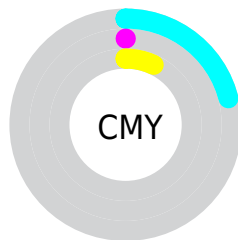
- Red (79%)
- Green (100%)
- Blue (93%)



- Red (79%)
- Yellow (92%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 20.197, 172.552 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, 20.197, 172.552 by changing the saturation by 10% instead.


 96, 20.197,
172.552


 96, 20.197,
172.552


 100, 20.197,
172.552


 86, 20.197,
172.552

 76, 20.197,
172.552

 66, 20.197,
172.552

 56, 20.197,
172.552

 46, 20.197,
172.552

 36, 20.197,
172.552

 26, 20.197,

172.552

■ 16, 20.197,
172.552

■ 6, 20.197, 172.552

■ 96, 20.197,
172.552

■ 96, 20.197,
172.552

■ 94, 29.476,
171.445

■ 98, 10.587,
173.581

■ 93, 38.258,
170.240

■ 100, 0.787,
175.179

■ 92, 46.375,
168.906

■ 100, 0.188,
322.797

■ 91, 53.670,
167.420

■ 90, 60.018,
165.755

■ 90, 65.356,
163.889

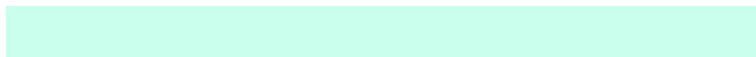
■ 89, 69.706,
161.815

■ 89, 73.010,
159.770

Harmonies

Complementary

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



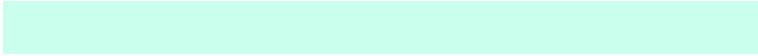
96, 20.197, 172.552



86, 21.373, 356.667

Rectangle

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



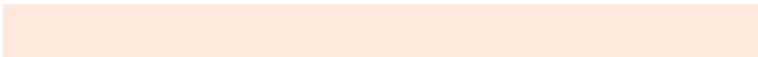
96, 20.197, 172.552



96, 20.197, 222.552



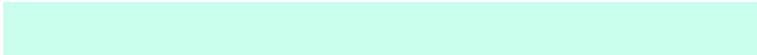
96, 20.197, 352.552



96, 20.197, 42.552

Sweetspot

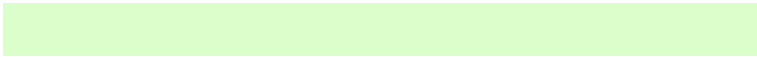
The Sweet Spot groups the original color and five complimentary colors.



96, 20.199, 172.549



99, 5.899, 174.081



96, 29.930, 133.729



53, 3.912, 174.010



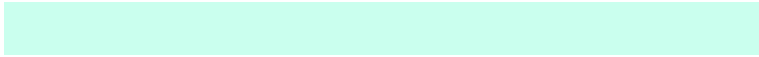
0, 0.000, 0.000



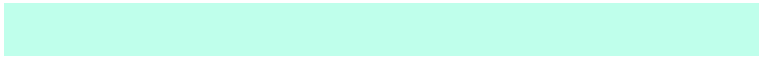
53, 0.007, 296.813

Same Dimension

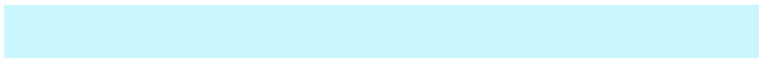
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 20.199, 172.549



95, 24.162, 172.097



94, 15.123, 216.152



52, 5.580, 173.714



69, 58.450, 160.188



23, 25.614, 163.245

Inverse Universe

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



86, 21.373, 356.667



84, 25.875, 357.191



88, 17.432, 35.717



50, 5.726, 355.388



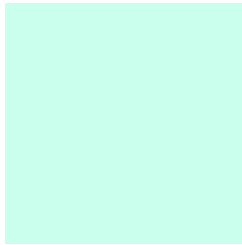
40, 70.016, 19.363



10, 31.384, 11.254

Previews

White Background



This preview shows how the CIE LCh color 96, 20.197, 172.552 looks on a white background.

Color Contrast Check

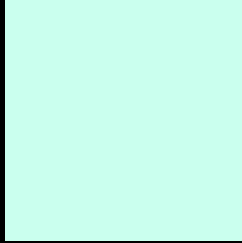
Large Text (above 18pt) WCAG AA × Fail

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, 20.197, 172.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

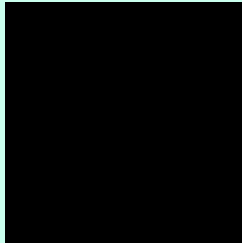
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

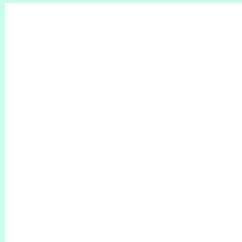
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 20.197, 172.552

Background



This preview shows how black text looks on a background with the CIELCh color 96, 20.197, 172.552.

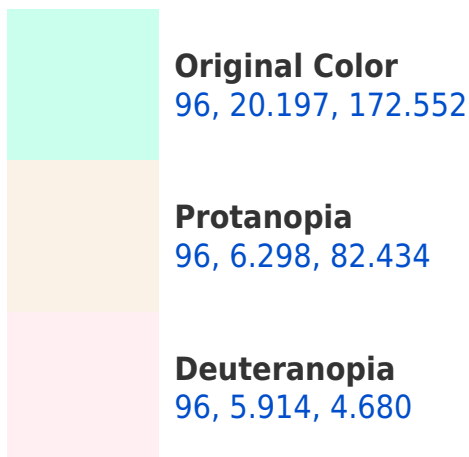


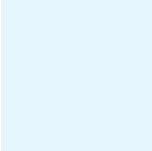
This preview shows how white text looks on a background with the CIELCh color 96, 20.197, 172.552.

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



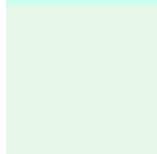


Tritanopia
96, 7.321, 238.340

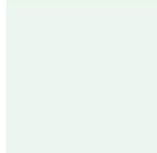
Trichromacy



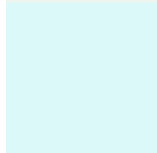
Original Color
96, 20.197, 172.552



Protanomaly
96, 8.968, 145.962



Deuteranomaly
96, 4.092, 160.597

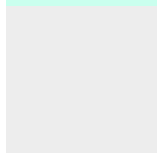


Tritanomaly
96, 10.211, 198.813

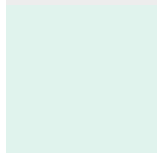
Monochromacy



Original Color
96, 20.197, 172.552



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 7.365, 174.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 20.197, 172.552 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, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 238)  
}
```

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, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 20.197, 172.552 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, 255, 238) }
```

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

```
.border{ border-color:rgb(202, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 20.197, 172.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 238) }
```

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

```
.background{ background-color: rgb(202,  
255, 238) }
```

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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