

Converting Colors

CIELCh(99, 26.398, 158.174)

Have a look what the booklet for
CIELCh(99, 26.398, 158.174)
contains.

CIELCh(96, 20.520, 163.119)	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, 20.520, 163.119)

Conversions

Conversions Part 1

Format	Color
Hex	CEFEE7
RGB	206, 254, 231
RGB Percent	81%, 100%, 91%
CMY	0.1910, 0.0028, 0.0930
CMYK	0.19, 0.00, 0.09, 0.00
HSL	151°, 97%, 90%
HSV	151°, 19%, 100%
XYZ	75.5296, 90.0078, 89.2078
YIQ	237.0260, -21.2250, -17.3290

Conversions

Conversions Part 2

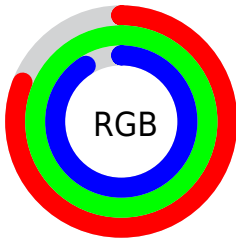
Format	Color
RYP	206, 238, 254
Decimal	13565671
CIELab	96.00, -19.64, 5.96
CIELCh	96, 20.520, 163.119
Yxy	90.0078, 0.2965, 0.3533
Android (android.graphics.Color)	4291755751 (0xFFCFEE7)
YUV	237.0260, -2.9708, -27.2098
Hunter-Lab	94.8724, -23.9199, 10.6608

Details

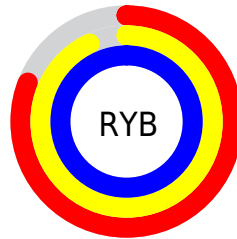
The CIELCh color **96, 20.520, 163.119** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **88, 21.070, 346.477**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 20.589, 162.741** is the 20% darker color. If you saturate the color by 10%, you get **94, 31.204, 162.063**, and if you desaturate by 10%, it is **98, 9.660, 164.083**.

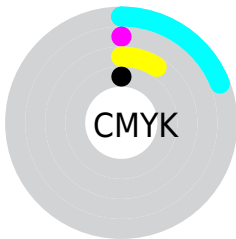
Distribution



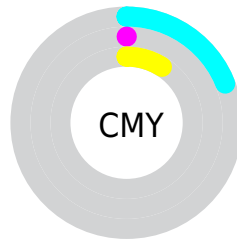
- Red (81%)
- Green (100%)
- Blue (91%)



- Red (81%)
- Yellow (93%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 20.520, 163.119 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, 20.520, 163.119 by changing the saturation by 10% instead.


 96, 20.520,
163.119


 96, 20.520,
163.119


 100, 20.520,
163.119


 86, 20.520,
163.119

 76, 20.520,
163.119

 66, 20.520,
163.119

 56, 20.520,
163.119

 46, 20.520,
163.119

 36, 20.520,
163.119

 26, 20.520,

163.119

■ 16, 20.520,
163.119

■ 6, 20.520, 163.119

■ 96, 20.520,
163.119

■ 96, 20.520,
163.119

■ 94, 31.204,
162.063

■ 98, 9.660, 164.083

■ 93, 41.539,
160.885

100, 0.457,
323.780

■ 92, 51.340,
159.556

■ 91, 60.420,
158.050

■ 90, 68.615,
156.344

■ 89, 75.813,
154.420

■ 89, 81.984,
152.282

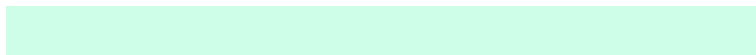
■ 88, 87.239,
149.982

■ 88, 87.805,
149.727

Harmonies

Complementary

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



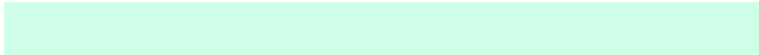
96, 20.520, 163.119



88, 21.070, 346.477

Rectangle

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



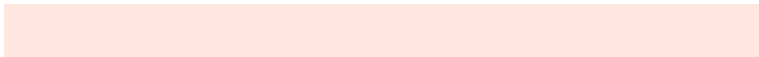
96, 20.520, 163.119



96, 20.520, 213.119



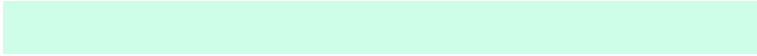
96, 20.520, 343.119



96, 20.520, 33.119

Sweetspot

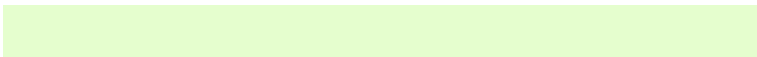
The Sweet Spot groups the original color and five complimentary colors.



96, 20.522, 163.117



99, 6.547, 164.359



97, 26.031, 128.795



53, 4.343, 164.295



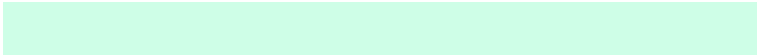
0, 0.000, 0.000



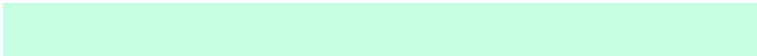
53, 0.007, 296.813

Same Dimension

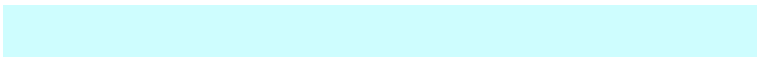
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 20.522, 163.117



96, 25.023, 162.694



96, 15.667, 199.969



52, 6.207, 164.022



68, 70.259, 150.157



23, 30.336, 153.394

Inverse Universe

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



88, 21.070, 346.477



85, 25.837, 346.907



87, 17.768, 22.044



50, 6.295, 345.563



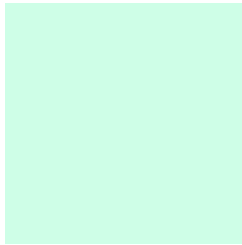
41, 68.074, 4.115



10, 31.687, 358.194

Previews

White Background



This preview shows how the CIE LCh color 96, 20.520, 163.119 looks on a white background.

Color Contrast Check

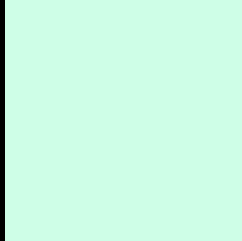
Large Text (above 18pt) WCAG AA × Fail

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, 20.520, 163.119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

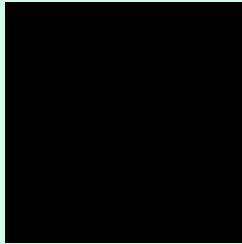
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

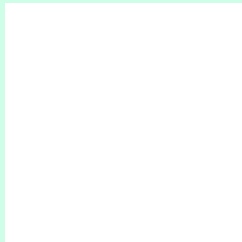
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 20.520, 163.119

Background



This preview shows how black text looks on a background with the CIELCh color 96, 20.520, 163.119.

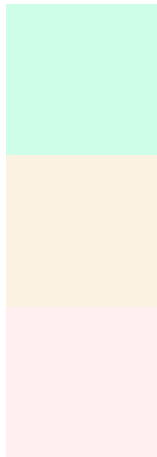


This preview shows how white text looks on a background with the CIELCh color 96, 20.520, 163.119.

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](#).

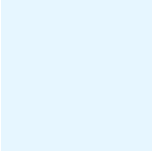
Dichromacy



Original Color
96, 20.535, 163.112

Protanopia
96, 9.402, 86.653

Deuteranopia
96, 5.742, 14.583

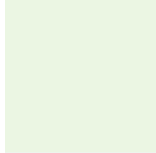


Tritanopia
96, 7.066, 240.063

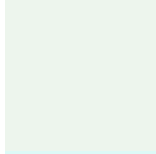
Trichromacy



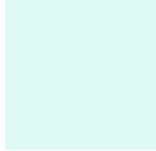
Original Color
96, 20.535, 163.112



Protanomaly
96, 10.514, 131.467



Deuteranomaly
96, 4.999, 144.318

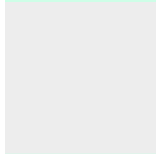


Tritanomaly
96, 9.755, 189.746

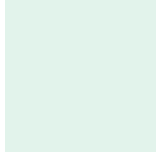
Monochromacy



Original Color
96, 20.535, 163.112



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 7.298, 164.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 20.520, 163.119 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(206, 254, 231)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 254, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 254, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 20.520, 163.119 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(206, 254, 231) }
```

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

```
.border{ border-color:rgb(206, 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(206, 254, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 254, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 254, 231);  
box-shadow:4px 4px 4px 4px rgb(206, 254,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 20.520, 163.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 254, 231) }
```

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

```
.background{ background-color: rgb(206,  
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](#).

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