

Converting Colors

CIELCh(96, 24.681, 159.597)

Have a look what the booklet for
CIELCh(96, 24.681, 159.597)
contains.

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Color

CIELCh(96, 24.099, 159.875)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFE3
RGB	202, 255, 227
RGB Percent	79%, 100%, 89%
CMY	0.2091, 0.0000, 0.1110
CMYK	0.21, 0.00, 0.11, 0.00
HSL	148°, 100%, 90%
HSV	148°, 21%, 100%
XYZ	74.0752, 90.0078, 85.9129
YIQ	235.9610, -22.6000, -19.9440

Conversions

Conversions Part 2

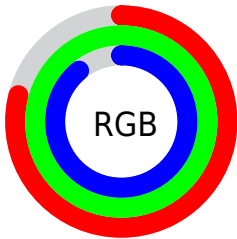
Format	Color
R _{YB}	202, 238, 255
Decimal	13303779
CIE _{Lab}	96.00, -22.63, 8.29
CIE _{LCh}	96, 24.099, 159.875
Yxy	90.0078, 0.2963, 0.3600
Android (android.graphics.Color)	4291493859 (0xFFCAFFE3)
YUV	235.9610, -4.4178, -29.7838
Hunter-Lab	94.8724, -26.6562, 12.7199

Details

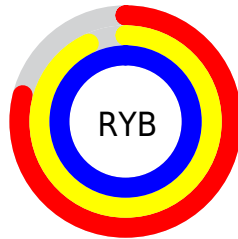
The CIELCh color **96, 24.099, 159.875** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **87, 24.232, 343.810**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 23.332, 160.824** is the 20% darker color. If you saturate the color by 10%, you get **94, 34.827, 159.150**, and if you desaturate by 10%, it is **98, 12.370, 161.149**.

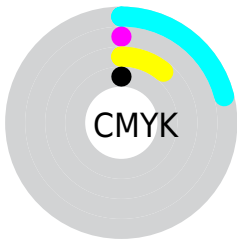
Distribution



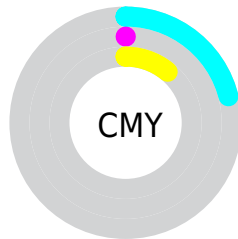
- Red (79%)
- Green (100%)
- Blue (89%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 24.099, 159.875 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, 24.099, 159.875 by changing the saturation by 10% instead.


 96, 24.099,
159.875


 96, 24.099,
159.875


 100, 24.099,
159.875


 86, 24.099,
159.875

 76, 24.099,
159.875

 66, 24.099,
159.875

 56, 24.099,
159.875

 46, 24.099,
159.875

 36, 24.099,
159.875

 26, 24.099,

159.875

■ 16, 24.099,
159.875

■ 6, 24.099, 159.875

■ 96, 24.099,
159.875

■ 96, 24.099,
159.875

■ 94, 34.827,
159.150

■ 98, 12.370,
161.149

■ 93, 45.605,
157.964

■ 100, 1.022,
162.408

■ 91, 55.825,
156.615

■ 100, 0.012,
296.813

■ 90, 65.292,
155.080

■ 90, 73.833,
153.338

■ 89, 81.336,
151.378

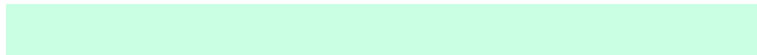
■ 89, 87.775,
149.216

■ 88, 92.830,
147.152

Harmonies

Complementary

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



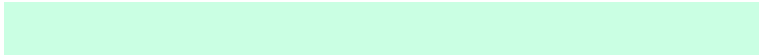
96, 24.099, 159.875



87, 24.232, 343.810

Rectangle

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



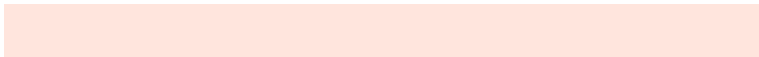
96, 24.099, 159.875



96, 24.099, 209.875



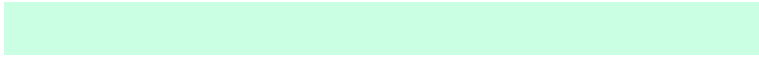
96, 24.099, 339.875



96, 24.099, 29.875

Sweetspot

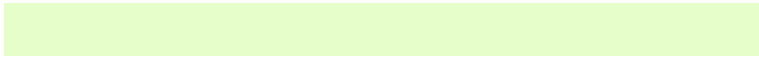
The Sweet Spot groups the original color and five complimentary colors.



96, 23.689, 160.201



99, 6.794, 161.600



97, 28.563, 126.909



53, 4.508, 161.539



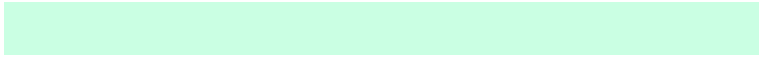
0, 0.000, 0.000



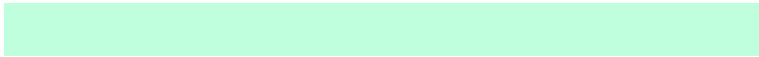
53, 0.007, 296.813

Same Dimension

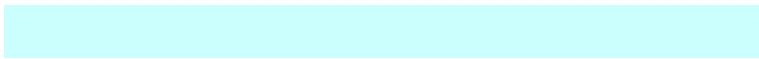
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 23.689, 160.201



95, 28.276, 159.786



96, 17.694, 195.362



52, 6.445, 161.277



68, 74.097, 147.579



23, 31.913, 150.793

Inverse Universe

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



87, 24.232, 343.810



84, 29.045, 344.217



86, 20.165, 18.332



50, 6.518, 342.752



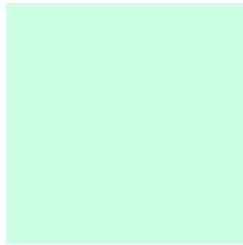
41, 68.681, 359.187



11, 32.196, 354.076

Previews

White Background



This preview shows how the CIE LCh color 96, 24.099, 159.875 looks on a white background.

Color Contrast Check

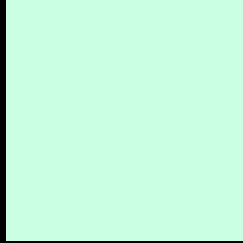
Large Text (above 18pt) WCAG AA × Fail

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, 24.099, 159.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

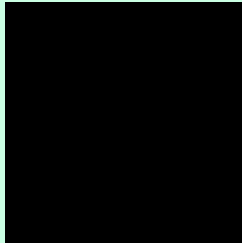
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

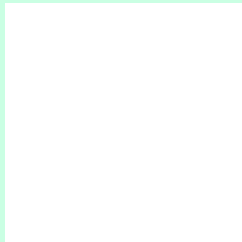
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 24.099, 159.875

Background



This preview shows how black text looks on a background with the CIELCh color 96, 24.099, 159.875.

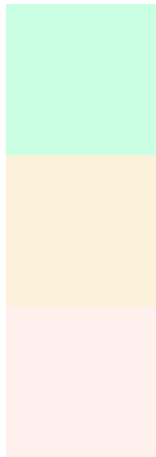


This preview shows how white text looks on a background with the CIELCh color 96, 24.099, 159.875.

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

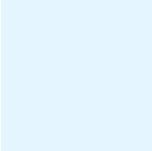
96, 23.499, 160.352

Protanopia

95, 11.938, 89.452

Deuteranopia

96, 5.826, 29.766

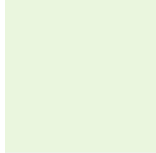


Tritanopia
96, 7.642, 241.459

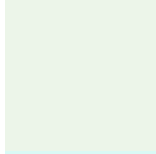
Trichromacy



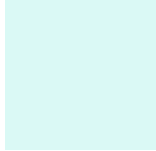
Original Color
96, 23.499, 160.352



Protanomaly
95, 13.038, 128.644

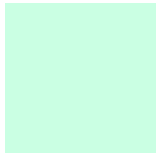


Deuteranomaly
96, 6.950, 137.115

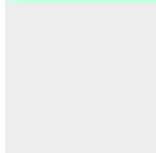


Tritanomaly
96, 10.854, 187.836

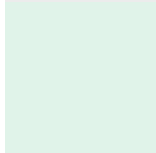
Monochromacy



Original Color
96, 23.499, 160.352



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 8.491, 161.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 24.099, 159.875 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 24.099, 159.875 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, 227) }
```

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

```
.border{ border-color:rgb(202, 255, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 24.099, 159.875 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, 227) }
```

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

```
.background{ background-color: rgb(202,  
255, 227) }
```

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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