

Converting Colors

CIELCh(96, 22.552, 160.621)

Have a look what the booklet for
CIELCh(96, 22.552, 160.621)
contains.

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Color

CIElCh(96, 22.636, 160.373)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE4
RGB	204, 255, 228
RGB Percent	80%, 100%, 89%
CMY	0.1998, 0.0000, 0.1056
CMYK	0.20, 0.00, 0.11, 0.00
HSL	148°, 100%, 90%
HSV	148°, 20%, 100%
XYZ	74.7081, 90.0078, 86.8766
YIQ	236.6730, -21.7290, -19.2090

Conversions

Conversions Part 2

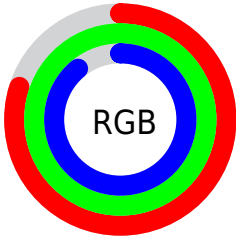
Format	Color
R_{YB}	204, 239, 255
Decimal	13434852
CIE _{Lab}	96.00, -21.32, 7.60
CIE _{LCh}	96, 22.636, 160.373
Yxy	90.0078, 0.2969, 0.3578
Android (android.graphics.Color)	4291624932 (0xFFCCFFE4)
YUV	236.6730, -4.2758, -28.6542
Hunter-Lab	94.8724, -25.4654, 12.1177

Details

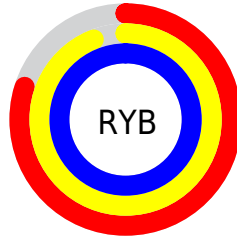
The CIELCh color **96, 22.636, 160.373** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **87, 23.102, 343.836**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 22.437, 160.908** is the 20% darker color. If you saturate the color by 10%, you get **94, 33.742, 159.362**, and if you desaturate by 10%, it is **98, 11.292, 161.345**.

Distribution



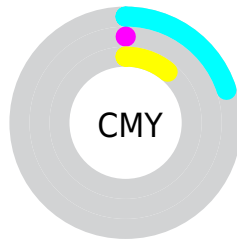
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (94%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 22.636, 160.373 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, 22.636, 160.373 by changing the saturation by 10% instead.


 96, 22.636,
160.373


 96, 22.636,
160.373


 100, 22.636,
160.373


 86, 22.636,
160.373

 76, 22.636,
160.373

 66, 22.636,
160.373

 56, 22.636,
160.373

 46, 22.636,
160.373

 36, 22.636,
160.373

 26, 22.636,

160.373

■ 16, 22.636,
160.373

■ 6, 22.636, 160.373

■ 96, 22.636,
160.373

■ 96, 22.636,
160.373

■ 94, 33.742,
159.362

■ 98, 11.292,
161.345

■ 93, 44.540,
158.188

100, 0.012,
296.813

■ 92, 54.798,
156.855

■ 91, 64.321,
155.338

■ 90, 72.933,
153.615

■ 89, 80.515,
151.675

■ 89, 87.033,
149.529

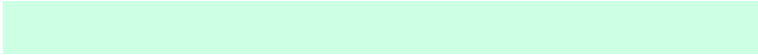
■ 88, 92.618,
147.259

■ 88, 92.631,
147.253

Harmonies

Complementary

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



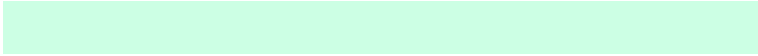
96, 22.636, 160.373



87, 23.102, 343.836

Rectangle

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



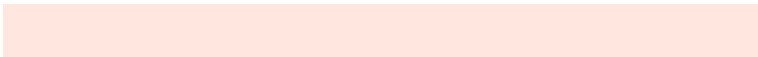
96, 22.636, 160.373



96, 22.636, 210.373



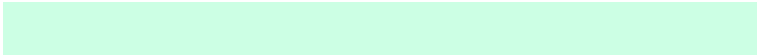
96, 22.636, 340.373



96, 22.636, 30.373

Sweetspot

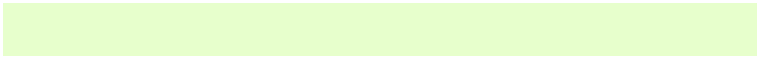
The Sweet Spot groups the original color and five complimentary colors.



96, 22.600, 160.403



99, 6.783, 161.712



97, 27.291, 126.955



53, 4.500, 161.650



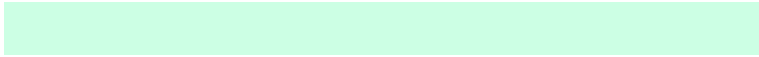
0, 0.000, 0.000



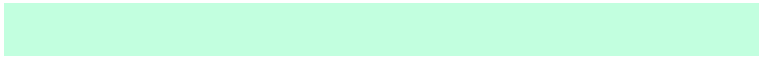
53, 0.007, 296.813

Same Dimension

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



96, 22.600, 160.403



95, 27.113, 159.998



97, 16.953, 195.420



52, 6.435, 161.388



68, 73.938, 147.681



23, 31.847, 150.897

Inverse Universe

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



87, 23.102, 343.836



85, 27.829, 344.233



86, 19.199, 18.234



50, 6.508, 342.866



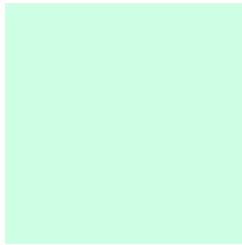
41, 68.644, 359.390



11, 32.171, 354.244

Previews

White Background



This preview shows how the CIE LCh color 96, 22.636, 160.373 looks on a white background.

Color Contrast Check

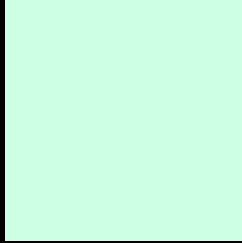
Large Text (above 18pt) WCAG AA × Fail

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, 22.636, 160.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

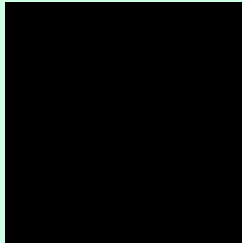
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

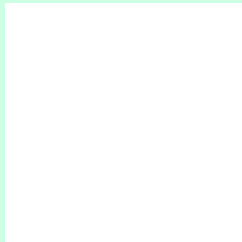
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 22.636, 160.373

Background



This preview shows how black text looks on a background with the CIELCh color 96, 22.636, 160.373.

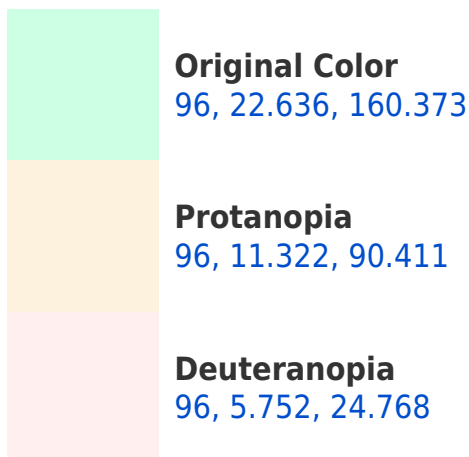


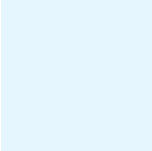
This preview shows how white text looks on a background with the CIELCh color 96, 22.636, 160.373.

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



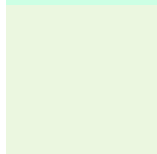


Tritanopia
96, 7.321, 238.340

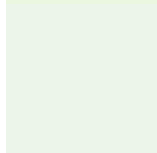
Trichromacy



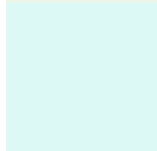
Original Color
96, 22.636, 160.373



Protanomaly
96, 12.547, 129.428



Deuteranomaly
96, 6.499, 139.185



Tritanomaly
96, 10.202, 187.181

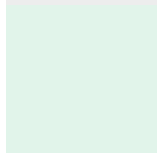
Monochromacy



Original Color
96, 22.636, 160.373



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 8.484, 161.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 22.636, 160.373 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(204, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 228)  
}
```

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(204, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 22.636, 160.373 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(204, 255, 228) }
```

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

```
.border{ border-color:rgb(204, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 22.636, 160.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 228) }
```

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

```
.background{ background-color: rgb(204,  
255, 228) }
```

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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