

Converting Colors

CIELCh(100, 35.426, 153.093)

Have a look what the booklet for
CIELCh(100, 35.426, 153.093)
contains.

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Color

CIElCh(96, 25.654, 158.130)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFE0
RGB	200, 255, 224
RGB Percent	78%, 100%, 88%
CMY	0.2149, 0.0000, 0.1208
CMYK	0.21, 0.00, 0.12, 0.00
HSL	146°, 100%, 89%
HSV	146°, 21%, 100%
XYZ	73.5067, 90.0078, 84.1616
YIQ	235.0210, -22.8290, -21.3010

Conversions

Conversions Part 2

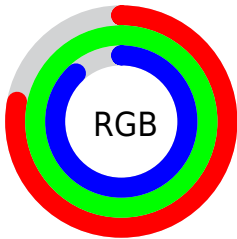
Format	Color
R_{YB}	200, 238, 255
Decimal	13172704
CIE _{Lab}	96.00, -23.81, 9.56
CIE _{LCh}	96, 25.654, 158.130
Yxy	90.0078, 0.2968, 0.3634
Android (android.graphics.Color)	4291362784 (0xFFC8FFE0)
YUV	235.0210, -5.4334, -30.7134
Hunter-Lab	94.8724, -27.7258, 13.8144

Details

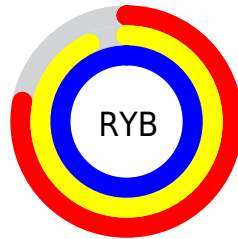
The CIELCh color **96, 25.654, 158.130** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **86, 25.427, 342.245**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 24.948, 158.847** is the 20% darker color. If you saturate the color by 10%, you get **94, 36.348, 157.585**, and if you desaturate by 10%, it is **98, 13.334, 159.560**.

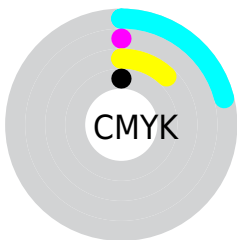
Distribution



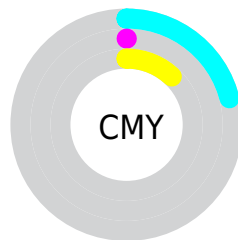
- Red (78%)
- Green (100%)
- Blue (88%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 25.654, 158.130 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, 25.654, 158.130 by changing the saturation by 10% instead.


 96, 25.654,
158.130


 96, 25.654,
158.130


 100, 25.654,
158.130


 86, 25.654,
158.130

 76, 25.654,
158.130

 66, 25.654,
158.130

 56, 25.654,
158.130

 46, 25.654,
158.130

 36, 25.654,
158.130

 26, 25.654,

158.130

■ 16, 25.654,
158.130

■ 6, 25.654, 158.130

■ 96, 25.654,
158.130

■ 96, 25.654,
158.130

■ 94, 36.348,
157.585

■ 98, 13.334,
159.560

■ 93, 47.409,
156.404

■ 100, 1.719,
160.610

■ 91, 57.907,
155.057

■ 100, 0.012,
296.813

■ 90, 67.637,
153.521

■ 89, 76.423,
151.776

■ 89, 84.142,
149.818

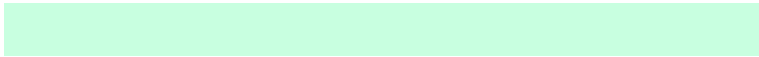
■ 89, 90.762,
147.666

■ 88, 95.638,
145.762

Harmonies

Complementary

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



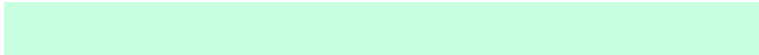
96, 25.654, 158.130



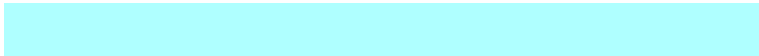
86, 25.427, 342.245

Rectangle

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



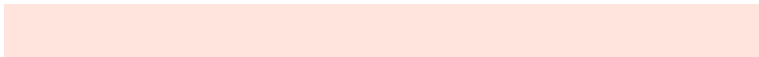
96, 25.654, 158.130



96, 25.654, 208.130



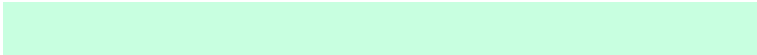
96, 25.654, 338.130



96, 25.654, 28.130

Sweetspot

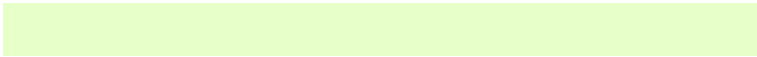
The Sweet Spot groups the original color and five complimentary colors.



96, 24.928, 158.627



99, 6.948, 160.052



97, 29.134, 125.658



53, 4.610, 159.992



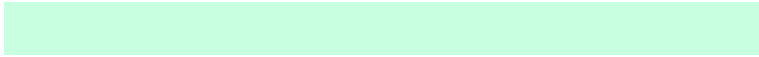
0, 0.000, 0.000



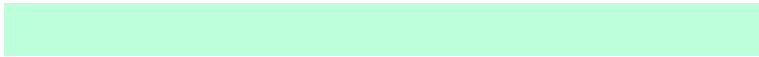
53, 0.007, 296.813

Same Dimension

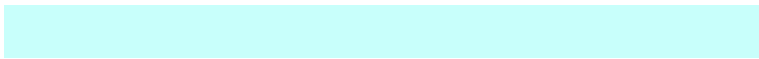
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 24.928, 158.627



95, 30.107, 158.173



96, 18.313, 192.385



52, 6.593, 159.737



68, 76.335, 146.183



23, 32.846, 149.367

Inverse Universe

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



86, 25.427, 342.245



83, 30.825, 342.677



86, 20.760, 15.782



50, 6.658, 341.172



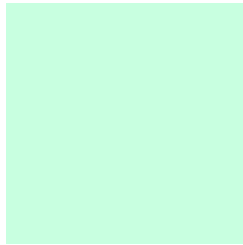
42, 69.316, 356.347



11, 32.586, 351.727

Previews

White Background



This preview shows how the CIE LCh color 96, 25.654, 158.130 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, 25.654, 158.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

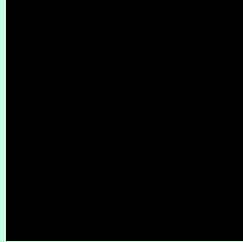
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

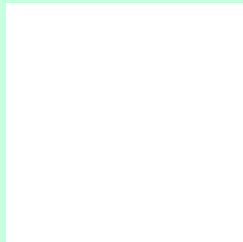
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 25.654, 158.130

Background



This preview shows how black text looks on a background with the CIELCh color 96, 25.654, 158.130.

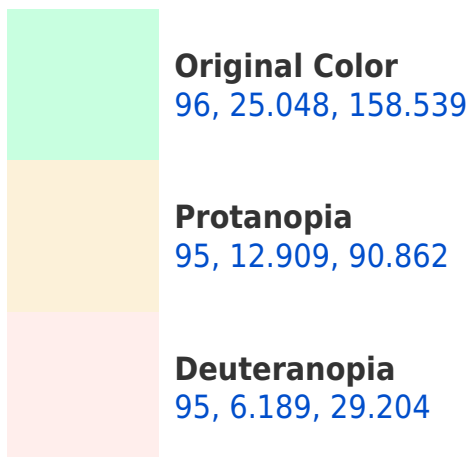


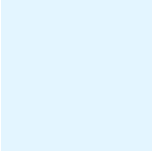
This preview shows how white text looks on a background with the CIELCh color 96, 25.654, 158.130.

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



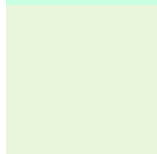


Tritanopia
96, 7.892, 239.823

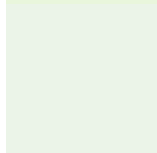
Trichromacy



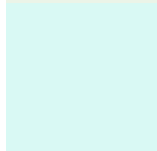
Original Color
96, 25.048, 158.539



Protanomaly
95, 14.127, 128.606



Deuteranomaly
95, 6.956, 137.114



Tritanomaly
96, 11.314, 185.590

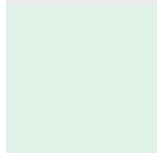
Monochromacy



Original Color
96, 25.048, 158.539



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 9.102, 160.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 25.654, 158.130 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(200, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 224)  
}
```

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(200, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 25.654, 158.130 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(200, 255, 224) }
```

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

```
.border{ border-color:rgb(200, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 25.654, 158.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 224) }
```

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

```
.background{ background-color: rgb(200,  
255, 224) }
```

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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