

Converting Colors

CIELCh(100, 32.173, 159.978)

Have a look what the booklet for
CIELCh(100, 32.173, 159.978)
contains.

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Color

CIElCh(96, 22.977, 168.532)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFEA
RGB	198, 255, 234
RGB Percent	78%, 100%, 92%
CMY	0.2241, 0.0000, 0.0829
CMYK	0.22, 0.00, 0.08, 0.00
HSL	158°, 100%, 89%
HSV	158°, 22%, 100%
XYZ	74.1280, 90.0078, 91.2110
YIQ	235.5630, -27.2310, -18.6150

Conversions

Conversions Part 2

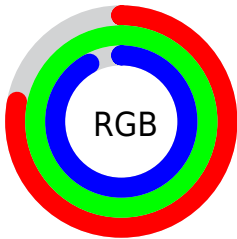
Format	Color
RYB	198, 233, 255
Decimal	13041642
CIELab	96.00, -22.52, 4.57
CIELCh	96, 22.977, 168.532
Yxy	90.0078, 0.2903, 0.3525
Android (android.graphics.Color)	4291231722 (0xFFC6FFEA)
YUV	235.5630, -0.7706, -32.9428
Hunter-Lab	94.8724, -26.5568, 9.4089

Details

The CIELCh color **96, 22.977, 168.532** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 23.652, 353.575**, 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, 22.473, 169.014** is the 20% darker color. If you saturate the color by 10%, you get **94, 32.113, 168.046**, and if you desaturate by 10%, it is **98, 12.547, 170.206**.

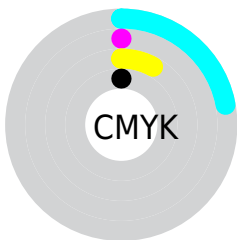
Distribution



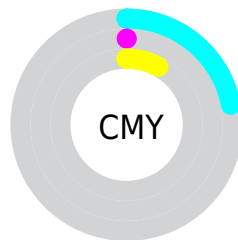
- Red (78%)
- Green (100%)
- Blue (92%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 22.977, 168.532 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, 22.977, 168.532 by changing the saturation by 10% instead.


 96, 22.977,
168.532


 96, 22.977,
168.532


 100, 22.977,
168.532


 86, 22.977,
168.532

 76, 22.977,
168.532

 66, 22.977,
168.532

 56, 22.977,
168.532

 46, 22.977,
168.532

 36, 22.977,
168.532

 26, 22.977,

168.532

■ 16, 22.977,
168.532

■ 6, 22.977, 168.532

■ 96, 22.977,
168.532

■ 96, 22.977,
168.532

■ 94, 32.113,
168.046

■ 98, 12.547,
170.206

■ 93, 41.253,
166.806

■ 99, 2.438, 171.320

■ 92, 49.735,
165.422

100, 0.012,
296.813

■ 91, 57.397,
163.870

■ 90, 64.114,
162.123

■ 90, 69.824,
160.165

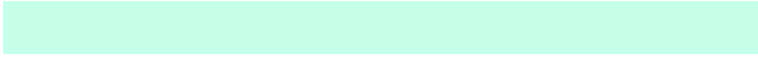
■ 89, 74.559,
157.995

■ 89, 77.649,
156.257

Harmonies

Complementary

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



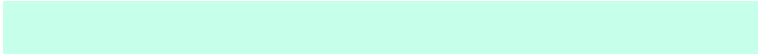
96, 22.977, 168.532



85, 23.652, 353.575

Rectangle

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



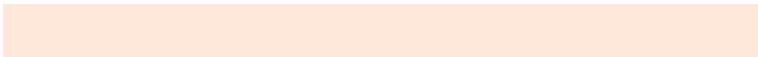
96, 22.977, 168.532



96, 22.977, 218.532



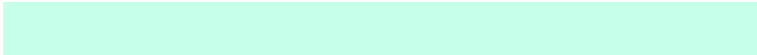
96, 22.977, 348.532



96, 22.977, 38.532

Sweetspot

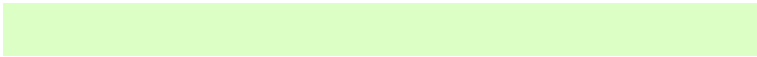
The Sweet Spot groups the original color and five complimentary colors.



96, 22.488, 169.170



99, 7.093, 170.754



96, 31.811, 132.031



52, 4.608, 170.691



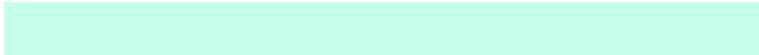
0, 0.000, 0.000



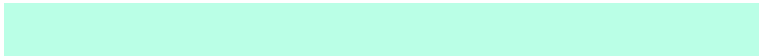
53, 0.007, 296.813

Same Dimension

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



96, 22.488, 169.170



95, 26.957, 168.667



95, 16.800, 210.268



52, 5.757, 170.498



69, 62.063, 156.687



23, 27.042, 159.847

Inverse Universe

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



85, 23.652, 353.575



82, 28.657, 354.142



86, 19.635, 30.912



50, 5.882, 352.147



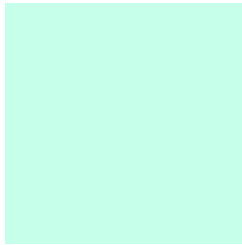
41, 68.805, 14.736



10, 31.285, 7.370

Previews

White Background



This preview shows how the CIE LCh color 96, 22.977, 168.532 looks on a white background.

Color Contrast Check

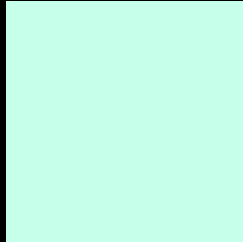
Large Text (above 18pt) WCAG AA × Fail

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, 22.977, 168.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

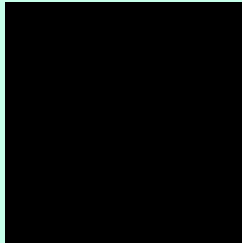
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

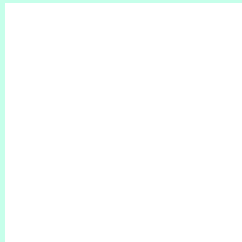
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 22.977, 168.532

Background



This preview shows how black text looks on a background with the CIELCh color 96, 22.977, 168.532.

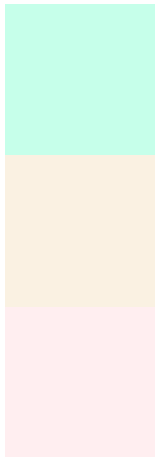


This preview shows how white text looks on a background with the CIELCh color 96, 22.977, 168.532.

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](#).

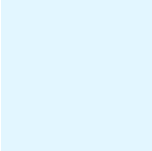
Dichromacy



Original Color
96, 22.413, 169.259

Protanopia
95, 8.320, 86.391

Deuteranopia
95, 6.166, 10.185

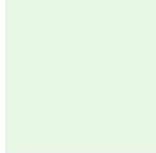


Tritanopia
96, 8.118, 233.851

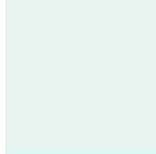
Trichromacy



Original Color
96, 22.413, 169.259



Protanomaly
95, 10.259, 140.895

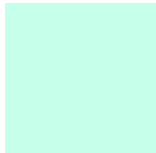


Deuteranomaly
95, 4.702, 158.416

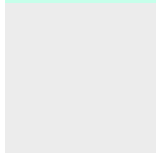


Tritanomaly
96, 11.305, 193.507

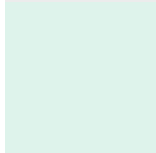
Monochromacy



Original Color
96, 22.413, 169.259



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 8.479, 169.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 22.977, 168.532 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(198, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 234)  
}
```

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(198, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 22.977, 168.532 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(198, 255, 234) }
```

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

```
.border{ border-color:rgb(198, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 22.977, 168.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 234) }
```

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

```
.background{ background-color: rgb(198,  
255, 234) }
```

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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