

Converting Colors

CIELCh(96, 23.820, 168.196)

Have a look what the booklet for
CIELCh(96, 23.820, 168.196)
contains.

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Color

CIElCh(96, 23.256, 168.893)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFEA
RGB	197, 255, 234
RGB Percent	77%, 100%, 92%
CMY	0.2274, 0.0000, 0.0822
CMYK	0.23, 0.00, 0.08, 0.00
HSL	158°, 100%, 89%
HSV	158°, 23%, 100%
XYZ	73.9821, 90.0078, 91.3391
YIQ	235.2640, -27.8270, -18.8270

Conversions

Conversions Part 2

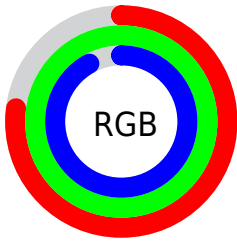
Format	Color
RYB	197, 232, 255
Decimal	12976106
CIELab	96.00, -22.82, 4.48
CIELCh	96, 23.256, 168.893
Yxy	90.0078, 0.2898, 0.3525
Android (android.graphics.Color)	4291166186 (0xFFC5FFEA)
YUV	235.2640, -0.6232, -33.5575
Hunter-Lab	94.8724, -26.8313, 9.3289

Details

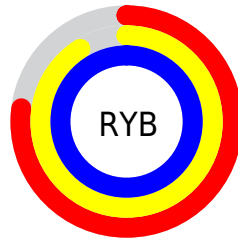
The CIELCh color **96, 23.256, 168.893** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 23.912, 354.149**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.347, 201.292**, and **76, 22.757, 169.374** is the 20% darker color. If you saturate the color by 10%, you get **94, 32.222, 168.525**, and if you desaturate by 10%, it is **97, 12.810, 170.692**.

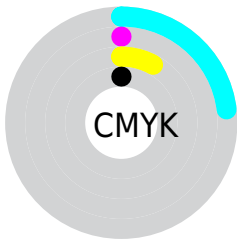
Distribution



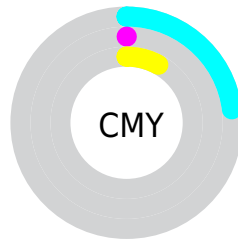
- Red (77%)
- Green (100%)
- Blue (92%)



- Red (77%)
- Yellow (91%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 23.256, 168.893 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, 23.256, 168.893 by changing the saturation by 10% instead.


 96, 23.256,
168.893


 96, 23.256,
168.893


 100, 23.256,
168.893


 86, 23.256,
168.893

 76, 23.256,
168.893

 66, 23.256,
168.893

 56, 23.256,
168.893

 46, 23.256,
168.893

 36, 23.256,
168.893

 26, 23.256,

168.893

■ 16, 23.256,
168.893

■ 6, 23.256, 168.893

■ 96, 23.256,
168.893

■ 96, 23.256,
168.893

■ 94, 32.222,
168.525

■ 97, 12.810,
170.692

■ 93, 41.268,
167.281

■ 99, 2.760, 171.787

■ 92, 49.645,
165.896

100, 0.012,
296.813

■ 91, 57.193,
164.343

■ 90, 63.789,
162.596

■ 90, 69.379,
160.638

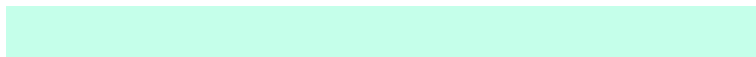
■ 89, 73.996,
158.470

■ 89, 76.883,
156.812

Harmonies

Complementary

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



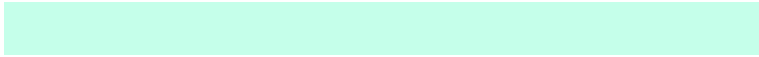
96, 23.256, 168.893



85, 23.912, 354.149

Rectangle

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



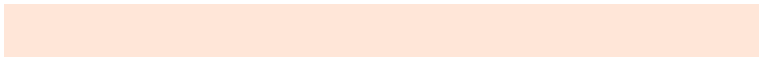
96, 23.256, 168.893



96, 23.256, 218.893



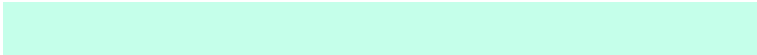
96, 23.256, 348.893



96, 23.256, 38.893

Sweetspot

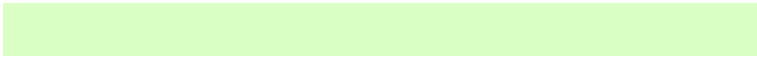
The Sweet Spot groups the original color and five complimentary colors.



96, 22.680, 169.652



99, 7.056, 171.275



96, 32.432, 132.560



52, 4.584, 171.212



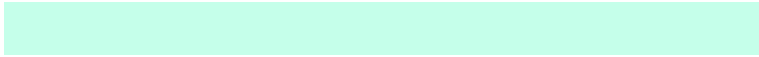
0, 0.000, 0.000



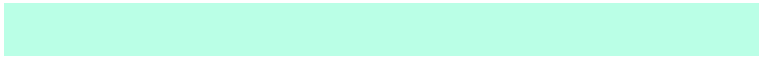
53, 0.007, 296.813

Same Dimension

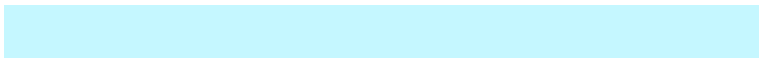
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 22.680, 169.652



95, 26.796, 169.184



94, 16.812, 212.205



52, 5.726, 171.018



69, 61.458, 157.241



23, 26.802, 160.387

Inverse Universe

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



85, 23.912, 354.149



82, 28.545, 354.681



86, 19.694, 32.497



50, 5.855, 352.673



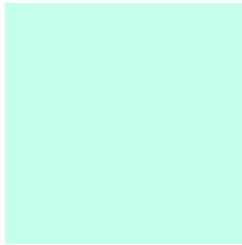
40, 68.970, 15.516



10, 31.292, 8.049

Previews

White Background



This preview shows how the CIE LCh color 96, 23.256, 168.893 looks on a white background.

Color Contrast Check

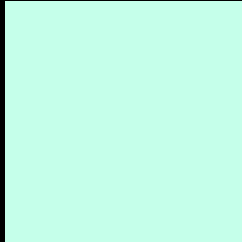
Large Text (above 18pt) WCAG AA × Fail

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, 23.256, 168.893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

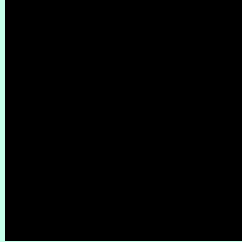
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

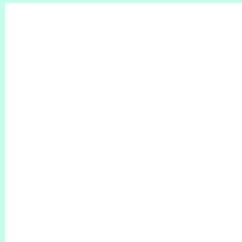
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 23.256, 168.893

Background



This preview shows how black text looks on a background with the CIELCh color 96, 23.256, 168.893.

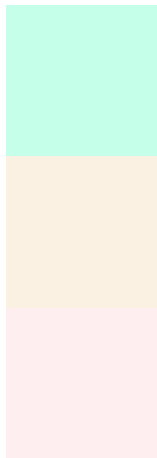


This preview shows how white text looks on a background with the CIELCh color 96, 23.256, 168.893.

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](#).

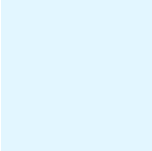
Dichromacy



Original Color
96, 22.694, 169.622

Protanopia
95, 8.320, 86.391

Deuteranopia
95, 6.166, 10.185

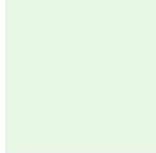


Tritanopia
96, 8.118, 233.851

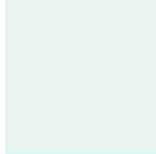
Trichromacy



Original Color
96, 22.694, 169.622



Protanomaly
95, 10.259, 140.895



Deuteranomaly
95, 4.702, 158.416

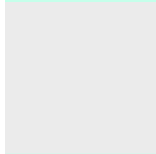


Tritanomaly
96, 11.631, 193.630

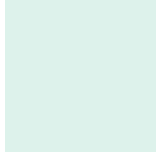
Monochromacy



Original Color
96, 22.694, 169.622



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 8.231, 172.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 23.256, 168.893 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(197, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 23.256, 168.893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

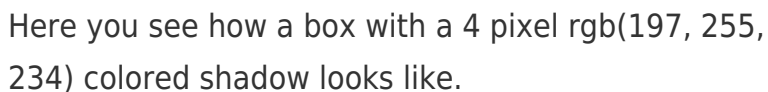
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 234) }
```

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

```
.border{ border-color:rgb(197, 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(197, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 23.256, 168.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 234) }
```

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

```
.background{ background-color: rgb(197,  
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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