

Converting Colors

CIELCh(96, 23.828, 161.732)

Have a look what the booklet for
CIELCh(96, 23.828, 161.732)
contains.

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Color

CIElCh(96, 23.429, 161.769)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFE5
RGB	202, 255, 229
RGB Percent	79%, 100%, 90%
CMY	0.2096, 0.0000, 0.1037
CMYK	0.21, 0.00, 0.10, 0.00
HSL	150°, 100%, 90%
HSV	150°, 21%, 100%
XYZ	74.2563, 90.0078, 87.2615
YIQ	236.1890, -23.2420, -19.3220

Conversions

Conversions Part 2

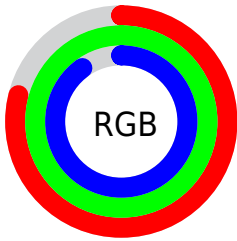
Format	Color
R_{YB}	202, 237, 255
Decimal	13303781
CIE _{Lab}	96.00, -22.25, 7.33
CIE _{LCh}	96, 23.429, 161.769
Yxy	90.0078, 0.2952, 0.3578
Android (android.graphics.Color)	4291493861 (0xFFCAFFE5)
YUV	236.1890, -3.5442, -29.9838
Hunter-Lab	94.8724, -26.3155, 11.8771

Details

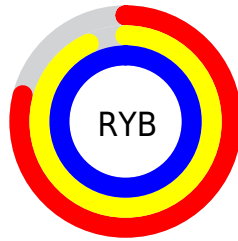
The CIELCh color **96, 23.429, 161.769** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **86, 23.736, 345.806**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 22.637, 162.907** is the 20% darker color. If you saturate the color by 10%, you get **94, 33.894, 160.997**, and if you desaturate by 10%, it is **98, 12.103, 163.038**.

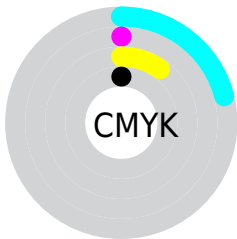
Distribution



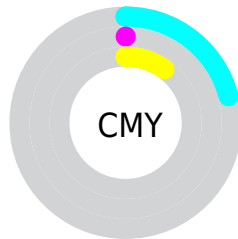
- Red (79%)
- Green (100%)
- Blue (90%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 23.429, 161.769 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, 23.429, 161.769 by changing the saturation by 10% instead.

96, 23.429,
161.769

96, 23.429,
161.769

100, 23.429,
161.769

86, 23.429,
161.769

76, 23.429,
161.769

66, 23.429,
161.769

56, 23.429,
161.769

46, 23.429,
161.769

36, 23.429,
161.769

26, 23.429,

161.769

■ 16, 23.429,
161.769

■ 6, 23.429, 161.769

■ 96, 23.429,
161.769

■ 96, 23.429,
161.769

■ 94, 33.894,
160.997

■ 98, 12.103,
163.038

■ 93, 44.310,
159.795

■ 100, 1.052,
164.320

■ 92, 54.156,
158.435

■ 100, 0.012,
296.813

■ 91, 63.245,
156.890

■ 90, 71.416,
155.140

■ 89, 78.568,
153.171

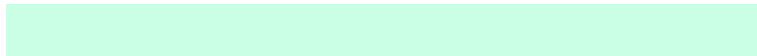
■ 89, 84.686,
150.993

■ 88, 89.466,
148.916

Harmonies

Complementary

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



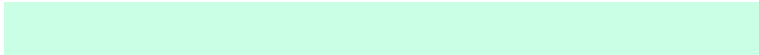
96, 23.429, 161.769



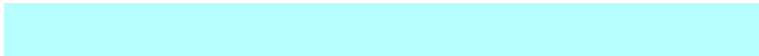
86, 23.736, 345.806

Rectangle

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



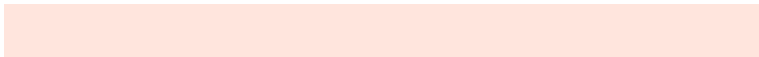
96, 23.429, 161.769



96, 23.429, 211.769



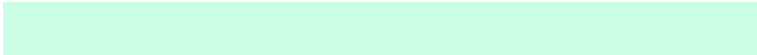
96, 23.429, 341.769



96, 23.429, 31.769

Sweetspot

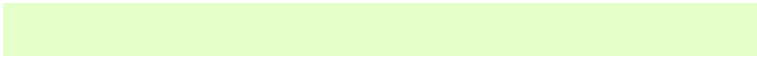
The Sweet Spot groups the original color and five complimentary colors.



96, 23.100, 162.068



99, 6.619, 163.507



97, 28.862, 128.104



53, 4.392, 163.444



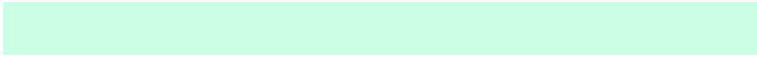
0, 0.000, 0.000



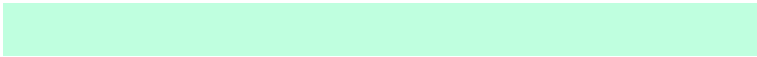
53, 0.007, 296.813

Same Dimension

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



96, 23.100, 162.068



95, 27.494, 161.649



97, 17.627, 198.338



52, 6.277, 163.174



68, 71.423, 149.349



23, 30.811, 152.582

Inverse Universe

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



86, 23.736, 345.806



84, 28.394, 346.227



86, 20.272, 20.945



50, 6.360, 344.696



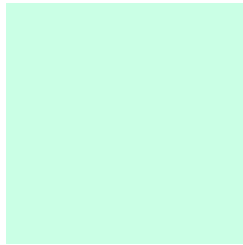
41, 68.194, 2.615



10, 31.820, 356.933

Previews

White Background



This preview shows how the CIE LCh color 96, 23.429, 161.769 looks on a white background.

Color Contrast Check

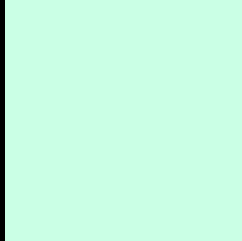
Large Text (above 18pt) WCAG AA × Fail

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, 23.429, 161.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

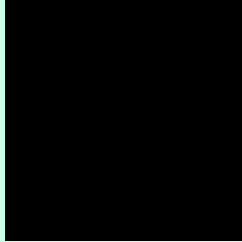
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

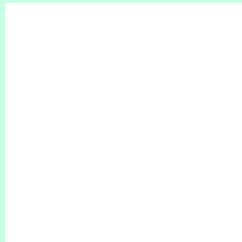
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 23.429, 161.769

Background



This preview shows how black text looks on a background with the CIELCh color 96, 23.429, 161.769.

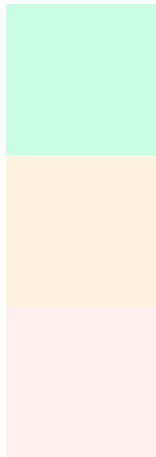


This preview shows how white text looks on a background with the CIELCh color 96, 23.429, 161.769.

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

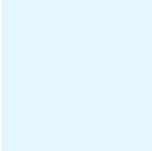
96, 22.835, 162.308

Protanopia

96, 11.322, 90.411

Deuteranopia

96, 5.752, 24.768

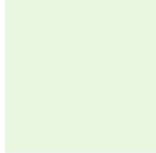


Tritanopia
96, 7.582, 236.737

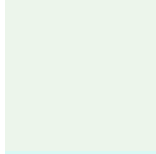
Trichromacy



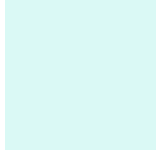
Original Color
96, 22.835, 162.308



Protanomaly
96, 12.681, 130.927

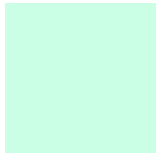


Deuteranomaly
96, 6.057, 141.555

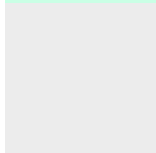


Tritanomaly
96, 10.854, 187.836

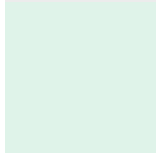
Monochromacy



Original Color
96, 22.835, 162.308



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 8.770, 163.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 23.429, 161.769 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 23.429, 161.769 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, 229) }
```

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

```
.border{ border-color:rgb(202, 255, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 23.429, 161.769 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, 229) }
```

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

```
.background{ background-color: rgb(202,  
255, 229) }
```

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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