

Converting Colors

CIELCh(96, 22.552, 161.850)

Have a look what the booklet for
CIELCh(96, 22.552, 161.850)
contains.

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Color

CIElCh(96, 22.568, 161.848)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFE5
RGB	203, 255, 229
RGB Percent	80%, 100%, 90%
CMY	0.2033, 0.0000, 0.1013
CMYK	0.20, 0.00, 0.10, 0.00
HSL	150°, 100%, 90%
HSV	150°, 20%, 100%
XYZ	74.6479, 90.0078, 87.6834
YIQ	236.4880, -22.6460, -19.1100

Conversions

Conversions Part 2

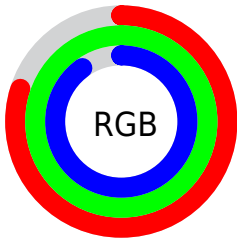
Format	Color
RYP	203, 238, 255
Decimal	13369317
CIELab	96.00, -21.44, 7.03
CIElCh	96, 22.568, 161.848
Yxy	90.0078, 0.2958, 0.3567
Android (android.graphics.Color)	4291559397 (0xFFCBBFE5)
YUV	236.4880, -3.6916, -29.3690
Hunter-Lab	94.8724, -25.5787, 11.6134

Details

The CIELCh color **96, 22.568, 161.848** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **87, 23.063, 345.535**, 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, 22.362, 162.449** is the 20% darker color. If you saturate the color by 10%, you get **94, 33.319, 160.875**, and if you desaturate by 10%, it is **98, 11.436, 162.900**.

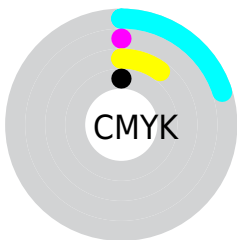
Distribution



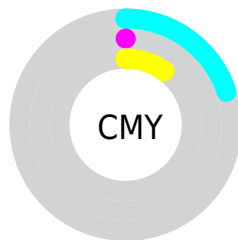
- Red (80%)
- Green (100%)
- Blue (90%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 22.568, 161.848 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, 22.568, 161.848 by changing the saturation by 10% instead.

 96, 22.568,
161.848


 96, 22.568,
161.848

 100, 22.568,
161.848

 86, 22.568,
161.848

 76, 22.568,
161.848

 66, 22.568,
161.848

 56, 22.568,
161.848

 46, 22.568,
161.848

 36, 22.568,
161.848

 26, 22.568,

161.848

■ 16, 22.568,
161.848

■ 6, 22.568, 161.848

■ 96, 22.568,
161.848

■ 96, 22.568,
161.848

■ 94, 33.319,
160.875

■ 98, 11.436,
162.900

■ 93, 43.801,
159.684

■ 100, 0.357,
165.074

■ 92, 53.726,
158.335

■ 100, 0.012,
296.813

■ 91, 62.906,
156.804

■ 90, 71.177,
155.067

■ 89, 78.430,
153.112

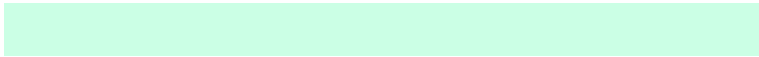
■ 89, 84.646,
150.948

■ 88, 89.811,
148.730

Harmonies

Complementary

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



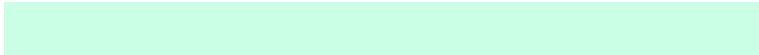
96, 22.568, 161.848



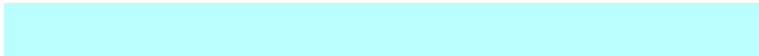
87, 23.063, 345.535

Rectangle

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



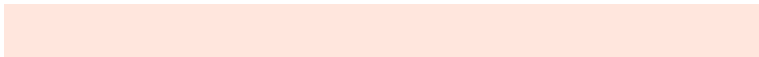
96, 22.568, 161.848



96, 22.568, 211.848



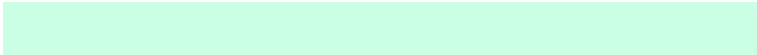
96, 22.568, 341.848



96, 22.568, 31.848

Sweetspot

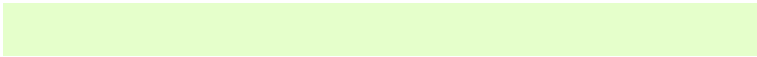
The Sweet Spot groups the original color and five complimentary colors.



96, 22.473, 161.936



99, 6.637, 163.309



97, 27.994, 128.135



53, 4.403, 163.246



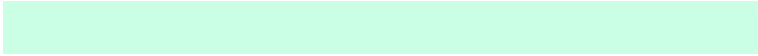
0, 0.000, 0.000



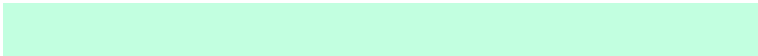
53, 0.007, 296.813

Same Dimension

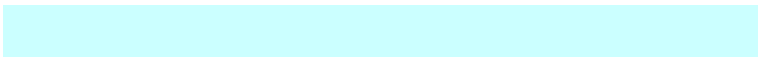
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 22.473, 161.936



95, 26.485, 161.560



97, 17.132, 198.369



52, 6.294, 162.977



68, 71.697, 149.162



23, 30.923, 152.395

Inverse Universe

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



87, 23.063, 345.535



85, 27.303, 345.912



86, 19.613, 20.883



50, 6.376, 344.493



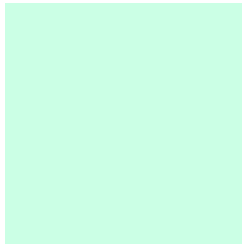
41, 68.231, 2.262



10, 31.854, 356.638

Previews

White Background



This preview shows how the CIE LCh color 96, 22.568, 161.848 looks on a white background.

Color Contrast Check

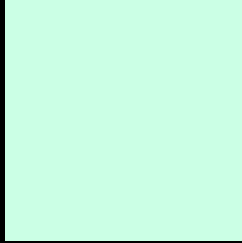
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 96, 22.568, 161.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

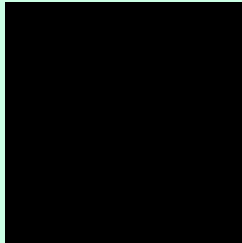
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

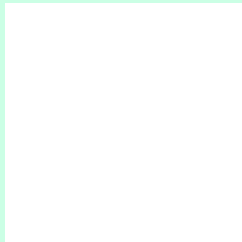
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 22.568, 161.848

Background



This preview shows how black text looks on a background with the CIELCh color 96, 22.568, 161.848.

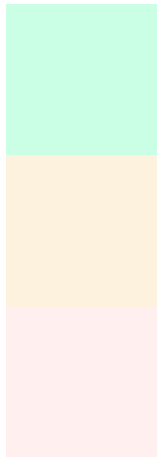


This preview shows how white text looks on a background with the CIELCh color 96, 22.568, 161.848.

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, 22.568, 161.848

Protanopia
96, 10.838, 89.602

Deuteranopia
96, 5.724, 19.680

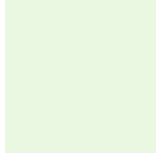


Tritanopia
96, 7.321, 238.340

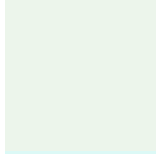
Trichromacy



Original Color
96, 22.568, 161.848



Protanomaly
96, 12.207, 131.815

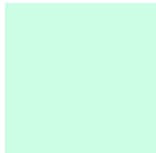


Deuteranomaly
96, 6.057, 141.555

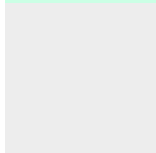


Tritanomaly
96, 10.084, 190.019

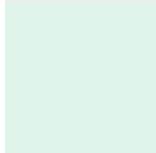
Monochromacy



Original Color
96, 22.568, 161.848



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, 22.568, 161.848 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(203, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 22.568, 161.848 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(203, 255, 229) }
```

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

```
.border{ border-color:rgb(203, 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(203, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 22.568, 161.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 229) }
```

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

```
.background{ background-color: rgb(203,  
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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