

Converting Colors

CIELCh(100, 28.921, 161.203)

Have a look what the booklet for
CIELCh(100, 28.921, 161.203)
contains.

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Color

CIElCh(96, 20.727, 170.061)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFEC
RGB	202, 255, 236
RGB Percent	79%, 100%, 93%
CMY	0.2084, 0.0006, 0.0751
CMYK	0.21, 0.00, 0.07, 0.00
HSL	158°, 99%, 90%
HSV	158°, 21%, 100%
XYZ	75.1485, 90.0078, 92.6566
YIQ	236.9870, -25.4890, -17.1450

Conversions

Conversions Part 2

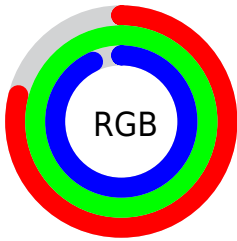
Format	Color
R _Y B	202, 234, 255
Decimal	13303788
CIE Lab	96.00, -20.42, 3.58
CIE LCh	96, 20.727, 170.061
Yxy	90.0078, 0.2915, 0.3491
Android (android.graphics.Color)	4291493868 (0xFFCAFFEC)
YUV	236.9870, -0.4866, -30.6836
Hunter-Lab	94.8724, -24.6368, 8.5055

Details

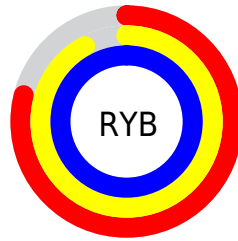
The CIELCh color **96, 20.727, 170.061** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 21.766, 354.122**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 20.729, 169.923** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.317, 168.951**, and if you desaturate by 10%, it is **98, 10.840, 171.087**.

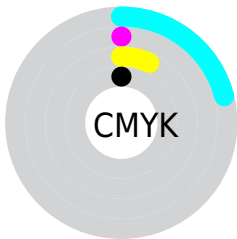
Distribution



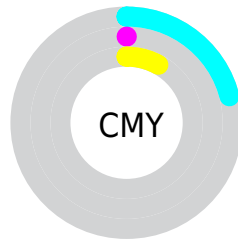
- Red (79%)
- Green (100%)
- Blue (93%)



- Red (79%)
- Yellow (92%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 20.727, 170.061 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, 20.727, 170.061 by changing the saturation by 10% instead.


 96, 20.727,
170.061


 96, 20.727,
170.061


 100, 20.727,
170.061


 86, 20.727,
170.061

 76, 20.727,
170.061

 66, 20.727,
170.061

 56, 20.727,
170.061

 46, 20.727,
170.061

 36, 20.727,
170.061

 26, 20.727,

170.061

■ 16, 20.727,
170.061

■ 6, 20.727, 170.061

■ 96, 20.727,
170.061

■ 96, 20.727,
170.061

■ 94, 30.317,
168.951

■ 98, 10.840,
171.087

■ 93, 39.441,
167.732

■ 100, 0.795,
172.652

■ 92, 47.927,
166.378

■ 100, 0.100,
321.360

■ 91, 55.611,
164.861

■ 90, 62.364,
163.156

■ 90, 68.113,
161.244

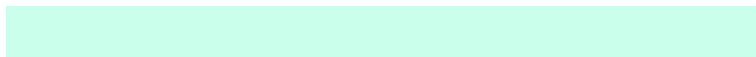
■ 89, 72.877,
159.118

■ 89, 76.559,
157.027

Harmonies

Complementary

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



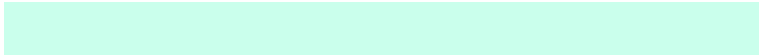
96, 20.727, 170.061



86, 21.766, 354.122

Rectangle

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



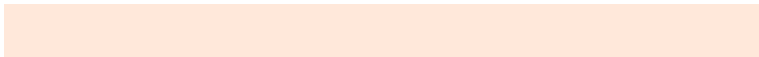
96, 20.727, 170.061



96, 20.727, 220.061



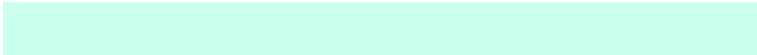
96, 20.727, 350.061



96, 20.727, 40.061

Sweetspot

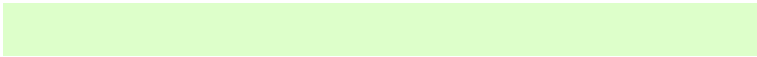
The Sweet Spot groups the original color and five complimentary colors.



96, 20.729, 170.058



99, 6.037, 171.580



96, 29.646, 132.656



53, 4.004, 171.511



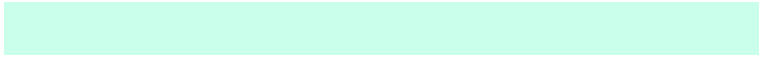
0, 0.000, 0.000



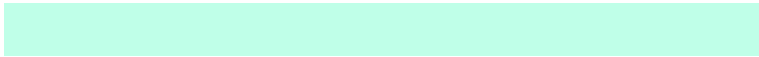
53, 0.007, 296.813

Same Dimension

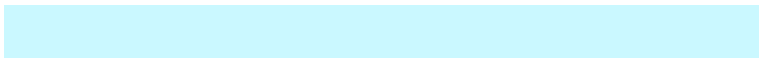
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 20.729, 170.058



95, 24.817, 169.604



95, 15.470, 212.174



52, 5.715, 171.217



69, 61.228, 157.454



23, 26.711, 160.595

Inverse Universe

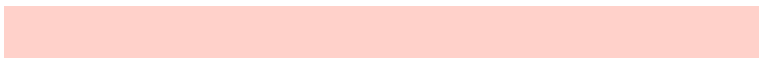
The Inverse Universe completely reimagines the original color for something new.



86, 21.766, 354.122



84, 26.328, 354.632



88, 17.856, 32.423



50, 5.845, 352.874



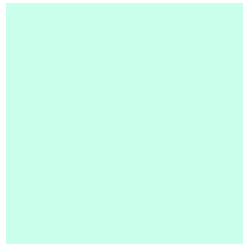
40, 69.036, 15.811



10, 31.296, 8.304

Previews

White Background



This preview shows how the CIELCh color 96, 20.727, 170.061 looks on a white background.

Color Contrast Check

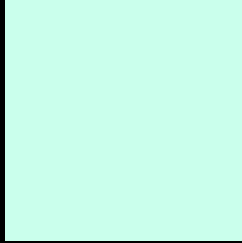
Large Text (above 18pt) WCAG AA × Fail

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, 20.727, 170.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

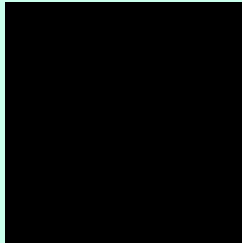
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

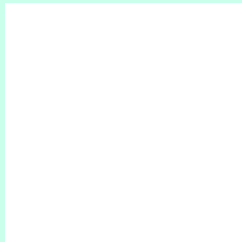
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 20.727, 170.061

Background



This preview shows how black text looks on a background with the CIELCh color 96, 20.727, 170.061.

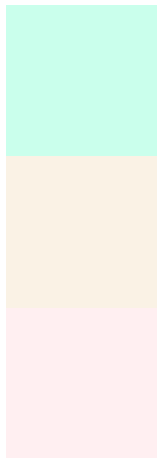


This preview shows how white text looks on a background with the CIELCh color 96, 20.727, 170.061.

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

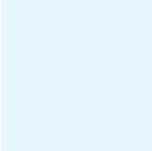
96, 20.727, 170.061

Protanopia

96, 7.227, 86.016

Deuteranopia

96, 5.806, 9.558

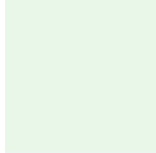


Tritanopia
96, 7.321, 238.340

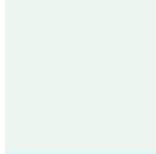
Trichromacy



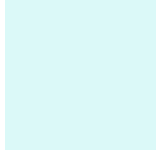
Original Color
96, 20.727, 170.061



Protanomaly
96, 9.816, 142.441

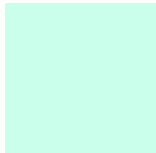


Deuteranomaly
96, 4.438, 155.498

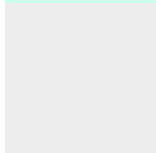


Tritanomaly
96, 10.253, 195.931

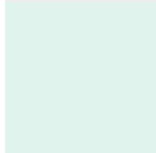
Monochromacy



Original Color
96, 20.727, 170.061



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 7.365, 174.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 20.727, 170.061 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 20.727, 170.061 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, 236) }
```

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

```
.border{ border-color:rgb(202, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 20.727, 170.061 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, 236) }
```

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

```
.background{ background-color: rgb(202,  
255, 236) }
```

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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