

Converting Colors

CIELCh(96, 21.273, 164.797)

Have a look what the booklet for
CIELCh(96, 21.273, 164.797)
contains.

CIELCh(96, 21.338, 164.560)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(96, 21.338, 164.560)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE8
RGB	204, 255, 232
RGB Percent	80%, 100%, 91%
CMY	0.2008, 0.0008, 0.0910
CMYK	0.20, 0.00, 0.09, 0.00
HSL	153°, 99%, 90%
HSV	153°, 20%, 100%
XYZ	75.0744, 90.0078, 89.6058
YIQ	237.1290, -23.0130, -17.9650

Conversions

Conversions Part 2

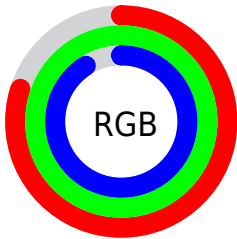
Format	Color
R_{YB}	204, 237, 255
Decimal	13434856
CIE _{Lab}	96.00, -20.57, 5.68
CIE _{LCh}	96, 21.338, 164.560
Y _{xy}	90.0078, 0.2948, 0.3534
Android (android.graphics.Color)	4291624936 (0xFFCCFFE8)
YUV	237.1290, -2.5286, -29.0541
Hunter-Lab	94.8724, -24.7762, 10.4120

Details

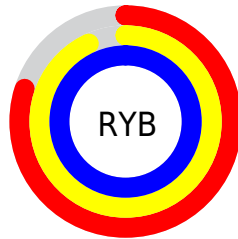
The CIELCh color **96, 21.338, 164.560** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87, 22.029, 348.233**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 21.409, 164.214** is the 20% darker color. If you saturate the color by 10%, you get **94, 31.753, 163.479**, and if you desaturate by 10%, it is **98, 10.710, 165.546**.

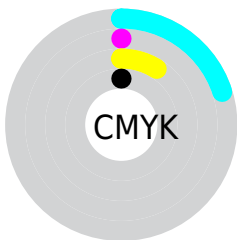
Distribution



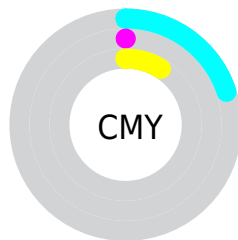
- Red (80%)
- Green (100%)
- Blue (91%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 21.338, 164.560 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, 21.338, 164.560 by changing the saturation by 10% instead.


 96, 21.338,
164.560


 96, 21.338,
164.560


 100, 21.338,
164.560


 86, 21.338,
164.560

 76, 21.338,
164.560

 66, 21.338,
164.560

 56, 21.338,
164.560

 46, 21.338,
164.560

 36, 21.338,
164.560

 26, 21.338,

164.560

■ 16, 21.338,
164.560

■ 6, 21.338, 164.560

■ 96, 21.338,
164.560

■ 96, 21.338,
164.560

■ 94, 31.753,
163.479

■ 98, 10.710,
165.546

■ 93, 41.781,
162.276

100, 0.012,
215.511

■ 92, 51.240,
160.924

100, 0.139,
322.210

■ 91, 59.949,
159.394

■ 90, 67.754,
157.664

■ 89, 74.560,
155.717

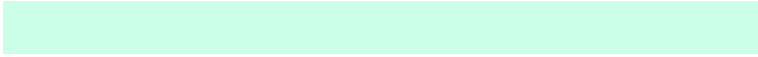
■ 89, 80.355,
153.555

■ 89, 85.293,
151.250

Harmonies

Complementary

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



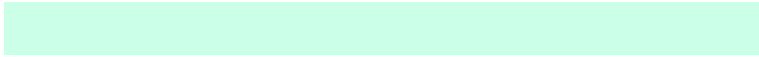
96, 21.338, 164.560



87, 22.029, 348.233

Rectangle

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



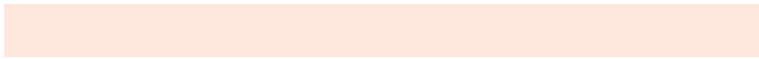
96, 21.338, 164.560



96, 21.338, 214.560



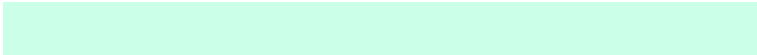
96, 21.338, 344.560



96, 21.338, 34.560

Sweetspot

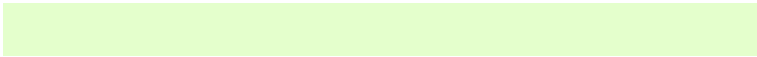
The Sweet Spot groups the original color and five complimentary colors.



96, 21.340, 164.558



99, 6.419, 165.940



97, 27.771, 129.323



53, 4.258, 165.874



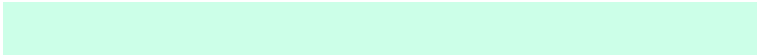
0, 0.000, 0.000



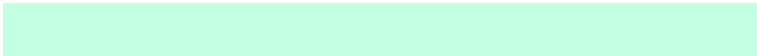
53, 0.007, 296.813

Same Dimension

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



96, 21.340, 164.558



95, 25.542, 164.141



96, 16.306, 201.504



52, 6.084, 165.596



68, 68.155, 151.685



23, 29.482, 154.918

Inverse Universe

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



87, 22.029, 348.233



84, 26.534, 348.667



87, 18.666, 23.480



50, 6.181, 347.169



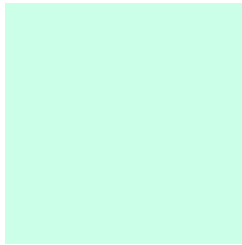
41, 67.998, 6.840



10, 31.494, 0.502

Previews

White Background



This preview shows how the CIE LCh color 96, 21.338, 164.560 looks on a white background.

Color Contrast Check

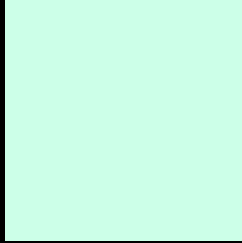
Large Text (above 18pt) WCAG AA × Fail

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, 21.338, 164.560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

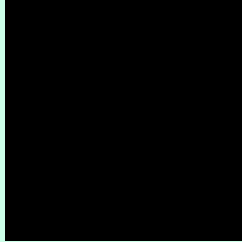
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

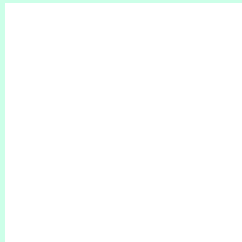
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.338, 164.560

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.338, 164.560.

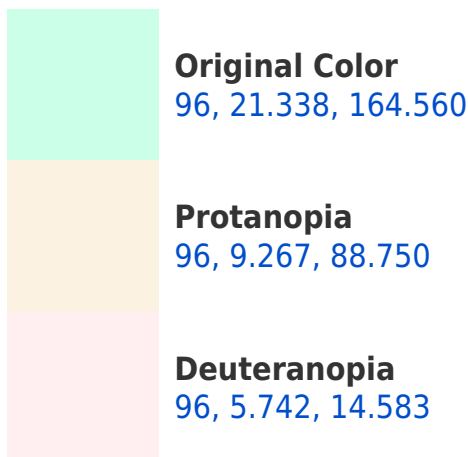


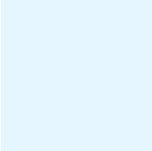
This preview shows how white text looks on a background with the CIELCh color 96, 21.338, 164.560.

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





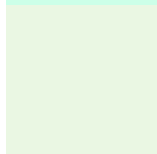
Tritanopia
96, 7.321, 238.340

Trichromacy



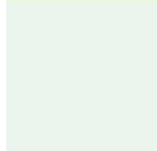
Original Color

96, 21.338, 164.560



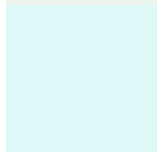
Protanomaly

96, 11.269, 133.805



Deuteranomaly

96, 5.210, 147.458



Tritanomaly

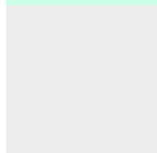
96, 9.991, 192.916

Monochromacy



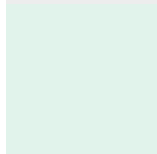
Original Color

96, 21.338, 164.560



Achromatopsia

94, 0.011, 296.813



Achromatomaly

94, 7.588, 166.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 21.338, 164.560 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(204, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 232)  
}
```

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(204, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.338, 164.560 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(204, 255, 232) }
```

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

```
.border{ border-color:rgb(204, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.338, 164.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 232) }
```

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

```
.background{ background-color: rgb(204,  
255, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor