

Converting Colors

CIELCh(96, 20.393, 168.229)

Have a look what the booklet for
CIELCh(96, 20.393, 168.229)
contains.

CIELCh(96, 20.441, 168.027)	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, 20.441, 168.027)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFEB
RGB	204, 255, 235
RGB Percent	80%, 100%, 92%
CMY	0.2016, 0.0016, 0.0800
CMYK	0.20, 0.00, 0.08, 0.00
HSL	156°, 98%, 90%
HSV	156°, 20%, 100%
XYZ	75.3533, 90.0078, 91.6876
YIQ	237.4710, -23.9760, -17.0320

Conversions

Conversions Part 2

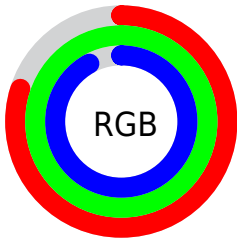
Format	Color
R _Y B	204, 236, 255
Decimal	13434859
CIE Lab	96.00, -20.00, 4.24
CIE LCh	96, 20.441, 168.027
Yxy	90.0078, 0.2931, 0.3502
Android (android.graphics.Color)	4291624939 (0xFFCCFFEB)
YUV	237.4710, -1.2182, -29.3541
Hunter-Lab	94.8724, -24.2515, 9.1111

Details

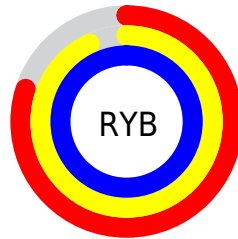
The CIELCh color **96, 20.441, 168.027** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87, 21.298, 351.851**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 20.450, 167.830** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.334, 166.928**, and if you desaturate by 10%, it is **98, 10.291, 169.040**.

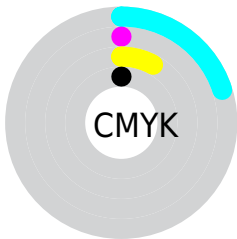
Distribution



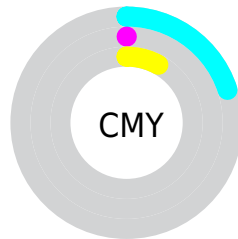
- Red (80%)
- Green (100%)
- Blue (92%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 20.441, 168.027 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, 20.441, 168.027 by changing the saturation by 10% instead.


 96, 20.441,
168.027


 96, 20.441,
168.027


 100, 20.441,
168.027


 86, 20.441,
168.027

 76, 20.441,
168.027

 66, 20.441,
168.027

 56, 20.441,
168.027

 46, 20.441,
168.027

 36, 20.441,
168.027

 26, 20.441,

168.027

■ 16, 20.441,
168.027

■ 6, 20.441, 168.027

■ 96, 20.441,
168.027

■ 96, 20.441,
168.027

■ 94, 30.334,
166.928

■ 98, 10.291,
169.040

■ 93, 39.799,
165.716

100, 0.025,
192.205

■ 92, 48.662,
164.364

100, 0.266,
323.288

■ 91, 56.754,
162.845

■ 90, 63.933,
161.133

■ 89, 70.116,
159.209

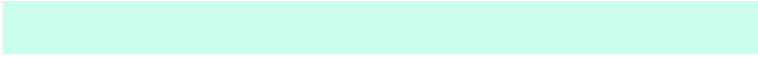
■ 89, 75.306,
157.070

■ 89, 79.666,
154.782

Harmonies

Complementary

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



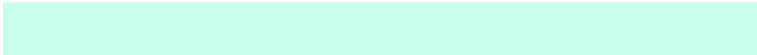
96, 20.441, 168.027



87, 21.298, 351.851

Rectangle

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



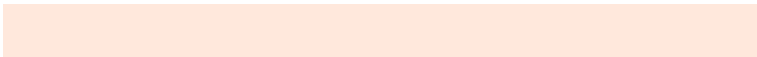
96, 20.441, 168.027



96, 20.441, 218.027



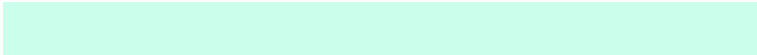
96, 20.441, 348.027



96, 20.441, 38.027

Sweetspot

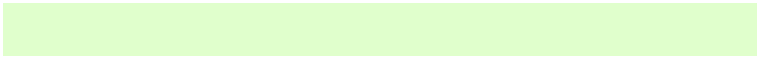
The Sweet Spot groups the original color and five complimentary colors.



96, 20.443, 168.024



99, 6.169, 169.449



97, 28.266, 131.595



53, 4.092, 169.381



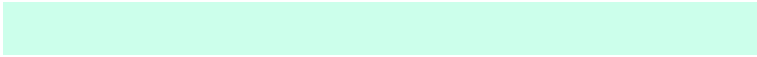
0, 0.000, 0.000



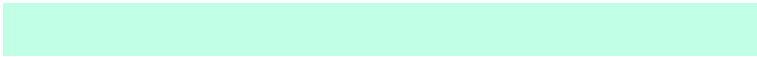
53, 0.007, 296.813

Same Dimension

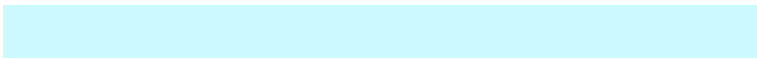
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 20.443, 168.024



95, 24.443, 167.601



95, 15.327, 208.397



52, 5.843, 169.092



68, 63.737, 155.213



23, 27.708, 158.404

Inverse Universe

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



87, 21.298, 351.851



84, 25.679, 352.313



87, 17.591, 29.252



50, 5.960, 350.724



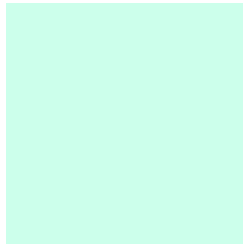
41, 68.430, 12.571



10, 31.290, 5.458

Previews

White Background



This preview shows how the CIELCh color 96, 20.441, 168.027 looks on a white background.

Color Contrast Check

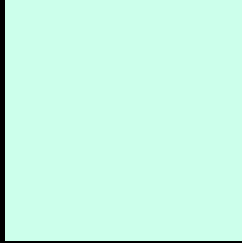
Large Text (above 18pt) WCAG AA × Fail

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, 20.441, 168.027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

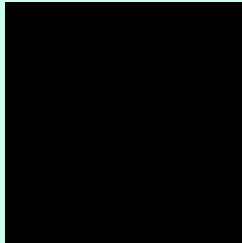
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

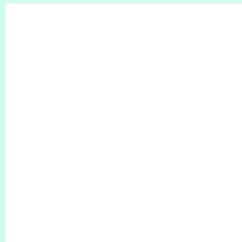
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 20.441, 168.027

Background



This preview shows how black text looks on a background with the CIELCh color 96, 20.441, 168.027.

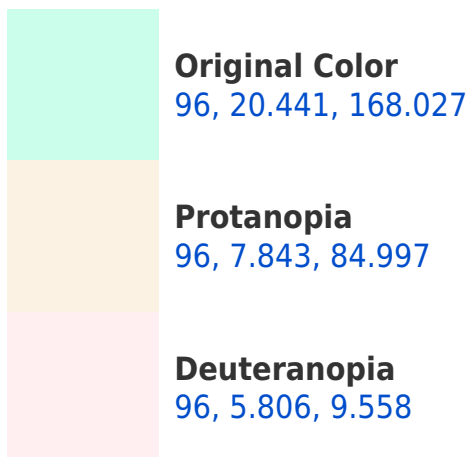


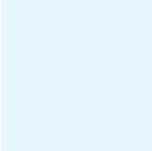
This preview shows how white text looks on a background with the CIELCh color 96, 20.441, 168.027.

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



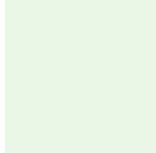


Tritanopia
96, 7.321, 238.340

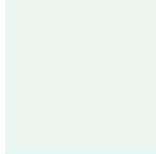
Trichromacy



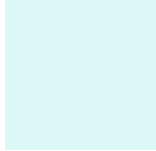
Original Color
96, 20.441, 168.027



Protanomaly
96, 9.889, 137.463

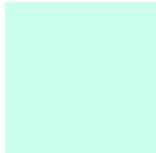


Deuteranomaly
96, 4.438, 155.498

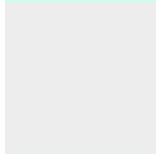


Tritanomaly
96, 9.923, 195.860

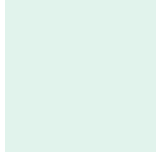
Monochromacy



Original Color
96, 20.441, 168.027



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 7.308, 169.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 20.441, 168.027 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 20.441, 168.027 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, 235) }
```

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

```
.border{ border-color:rgb(204, 255, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 20.441, 168.027 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, 235) }
```

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

```
.background{ background-color: rgb(204,  
255, 235) }
```

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