

Converting Colors

CIELCh(96, 21.466, 164.109)

Have a look what the booklet for
CIELCh(96, 21.466, 164.109)
contains.

CIELCh(96, 21.653, 163.468)	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, 21.653, 163.468)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE7
RGB	204, 255, 231
RGB Percent	80%, 100%, 91%
CMY	0.2005, 0.0005, 0.0947
CMYK	0.20, 0.00, 0.09, 0.00
HSL	152°, 99%, 90%
HSV	152°, 20%, 100%
XYZ	74.9819, 90.0078, 88.9183
YIQ	237.0150, -22.6920, -18.2760

Conversions

Conversions Part 2

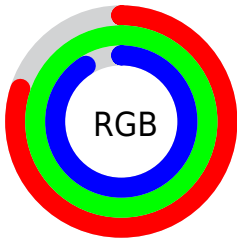
Format	Color
R_{YB}	204, 237, 255
Decimal	13434855
CIE _{Lab}	96.00, -20.76, 6.16
CIE _{LCh}	96, 21.653, 163.468
Yxy	90.0078, 0.2953, 0.3545
Android (android.graphics.Color)	4291624935 (0xFFCCFFE7)
YUV	237.0150, -2.9654, -28.9542
Hunter-Lab	94.8724, -24.9503, 10.8417

Details

The CIELCh color **96, 21.653, 163.468** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87, 22.293, 347.084**, 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, 21.744, 163.079** is the 20% darker color. If you saturate the color by 10%, you get **94, 32.248, 162.395**, and if you desaturate by 10%, it is **98, 10.858, 164.444**.

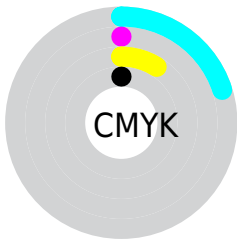
Distribution



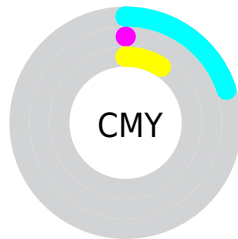
- Red (80%)
- Green (100%)
- Blue (91%)



- 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, 21.653, 163.468 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, 21.653, 163.468 by changing the saturation by 10% instead.


 96, 21.653,
163.468

 96, 21.653,
163.468

 100, 21.653,
163.468


 86, 21.653,
163.468

 76, 21.653,
163.468

 66, 21.653,
163.468

 56, 21.653,
163.468

 46, 21.653,
163.468

 36, 21.653,
163.468

 26, 21.653,

163.468

■ 16, 21.653,
163.468

■ 6, 21.653, 163.468

■ 96, 21.653,
163.468

■ 96, 21.653,
163.468

■ 94, 32.248,
162.395

■ 98, 10.858,
164.444

■ 93, 42.468,
161.199

100, 0.009,
233.150

■ 92, 52.127,
159.849

100, 0.096,
321.219

■ 91, 61.042,
158.320

■ 90, 69.054,
156.589

■ 89, 76.061,
154.640

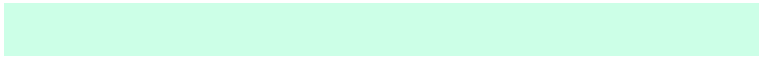
■ 89, 82.047,
152.477

■ 89, 87.163,
150.175

Harmonies

Complementary

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



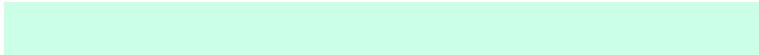
96, 21.653, 163.468



87, 22.293, 347.084

Rectangle

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



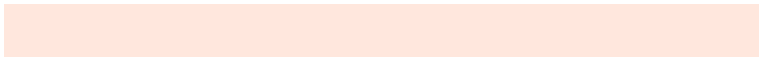
96, 21.653, 163.468



96, 21.653, 213.468



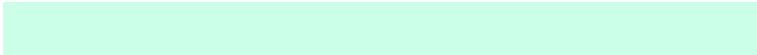
96, 21.653, 343.468



96, 21.653, 33.468

Sweetspot

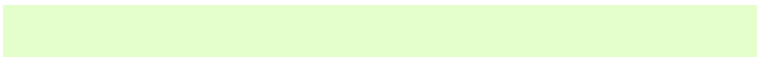
The Sweet Spot groups the original color and five complimentary colors.



96, 21.655, 163.466



99, 6.508, 164.831



97, 27.656, 128.740



53, 4.317, 164.766



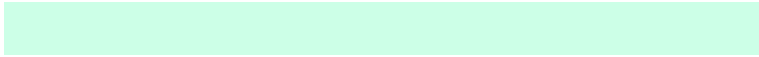
0, 0.000, 0.000



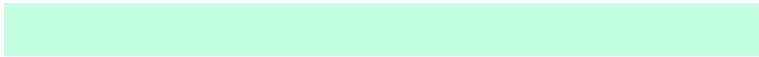
53, 0.007, 296.813

Same Dimension

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



96, 21.655, 163.466



95, 25.926, 163.052



96, 16.584, 199.918



52, 6.169, 164.492



68, 69.624, 150.609



23, 30.077, 153.846

Inverse Universe

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



87, 22.293, 347.084



85, 26.843, 347.508



87, 18.964, 22.145



50, 6.260, 346.042



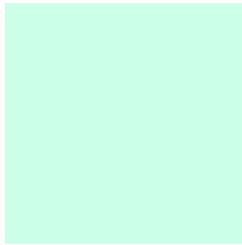
41, 68.032, 4.937



10, 31.623, 358.887

Previews

White Background



This preview shows how the CIE LCh color 96, 21.653, 163.468 looks on a white background.

Color Contrast Check

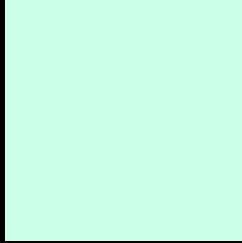
Large Text (above 18pt) WCAG AA × Fail

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, 21.653, 163.468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

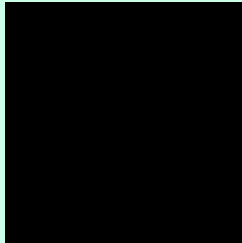
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

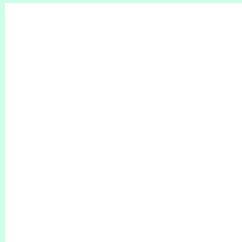
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.653, 163.468

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.653, 163.468.

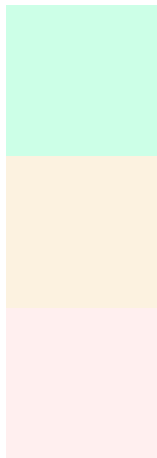


This preview shows how white text looks on a background with the CIELCh color 96, 21.653, 163.468.

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, 21.653, 163.468

Protanopia
96, 9.877, 87.735

Deuteranopia
96, 5.724, 19.680

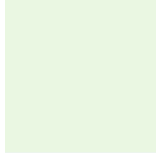


Tritanopia
96, 7.321, 238.340

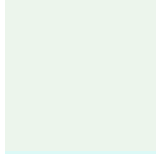
Trichromacy



Original Color
96, 21.653, 163.468



Protanomaly
96, 11.736, 132.772

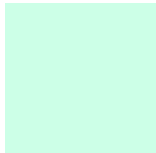


Deuteranomaly
96, 5.627, 144.287

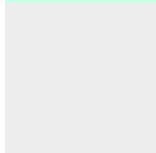


Tritanomaly
96, 10.084, 190.019

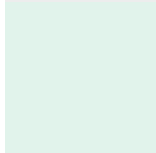
Monochromacy



Original Color
96, 21.653, 163.468



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, 21.653, 163.468 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.653, 163.468 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, 231) }
```

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

```
.border{ border-color:rgb(204, 255, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.653, 163.468 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, 231) }
```

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

```
.background{ background-color: rgb(204,  
255, 231) }
```

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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