

Converting Colors

CIELCh(99, 25.733, 158.225)

Have a look what the booklet for
CIELCh(99, 25.733, 158.225)
contains.

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Color

CIELCh(96, 19.931, 163.765)

Conversions

Conversions Part 1

Format	Color
Hex	CFEE8
RGB	207, 254, 232
RGB Percent	81%, 100%, 91%
CMY	0.1880, 0.0038, 0.0900
CMYK	0.18, 0.00, 0.09, 0.00
HSL	152°, 96%, 90%
HSV	152°, 18%, 100%
XYZ	75.7743, 90.0078, 89.7616
YIQ	237.4390, -20.9500, -16.8060

Conversions

Conversions Part 2

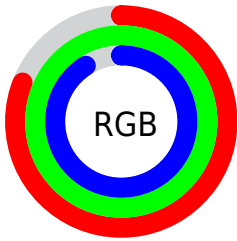
Format	Color
R_{YB}	207, 238, 254
Decimal	13631208
CIE _{Lab}	96.00, -19.14, 5.57
CIE _{LCh}	96, 19.931, 163.765
Yxy	90.0078, 0.2965, 0.3522
Android (android.graphics.Color)	4291821288 (0xFFCFEE8)
YUV	237.4390, -2.6814, -26.6950
Hunter-Lab	94.8724, -23.4595, 10.3147

Details

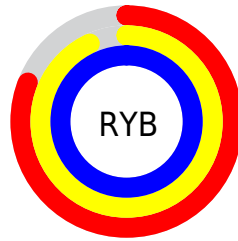
The CIELCh color **96, 19.931, 163.765** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **88, 20.483, 347.077**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 19.971, 163.427** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.517, 162.708**, and if you desaturate by 10%, it is **98, 9.169, 164.733**.

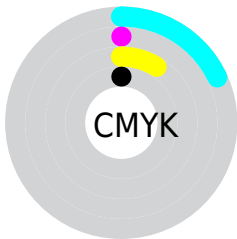
Distribution



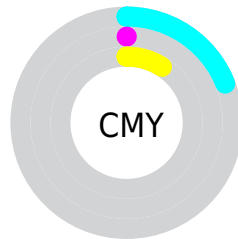
- Red (81%)
- Green (100%)
- Blue (91%)



- Red (81%)
- Yellow (93%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 19.931, 163.765 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, 19.931, 163.765 by changing the saturation by 10% instead.


 96, 19.931,
163.765


 96, 19.931,
163.765


 100, 19.931,
163.765


 86, 19.931,
163.765


 76, 19.931,
163.765

 66, 19.931,
163.765

 56, 19.931,
163.765

 46, 19.931,
163.765

 36, 19.931,
163.765

 26, 19.931,

163.765

■ 16, 19.931,
163.765

■ 6, 19.931, 163.765

■ 96, 19.931,
163.765

■ 96, 19.931,
163.765

■ 94, 30.517,
162.708

■ 98, 9.169, 164.733

■ 93, 40.753,
161.531

100, 0.606,
323.953

■ 92, 50.459,
160.206

■ 91, 59.448,
158.707

■ 90, 67.558,
157.008

■ 89, 74.677,
155.093

■ 89, 80.776,
152.962

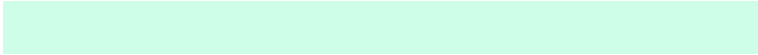
■ 88, 85.955,
150.661

■ 88, 86.697,
150.319

Harmonies

Complementary

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



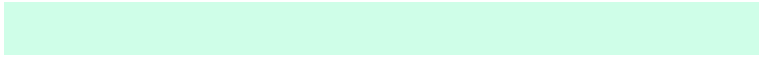
96, 19.931, 163.765



88, 20.483, 347.077

Rectangle

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



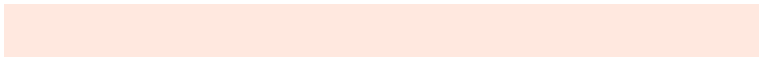
96, 19.931, 163.765



96, 19.931, 213.765



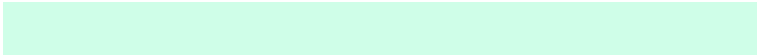
96, 19.931, 343.765



96, 19.931, 33.765

Sweetspot

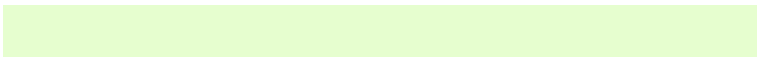
The Sweet Spot groups the original color and five complimentary colors.



96, 19.933, 163.763



99, 6.496, 164.976



97, 25.490, 128.814



53, 4.309, 164.911



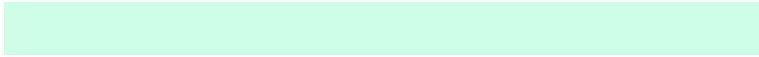
0, 0.000, 0.000



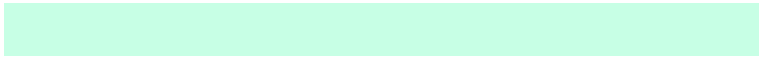
53, 0.007, 296.813

Same Dimension

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



96, 19.933, 163.763



96, 23.748, 163.404



96, 15.360, 199.985



52, 6.158, 164.636



68, 69.429, 150.749



23, 29.998, 153.986

Inverse Universe

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



88, 20.483, 347.077



86, 24.527, 347.444



87, 17.372, 22.011



50, 6.249, 346.190



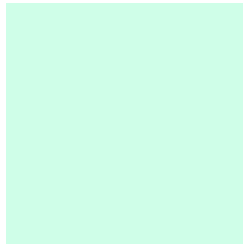
41, 68.023, 5.188



10, 31.604, 359.100

Previews

White Background



This preview shows how the CIE LCh color 96, 19.931, 163.765 looks on a white background.

Color Contrast Check

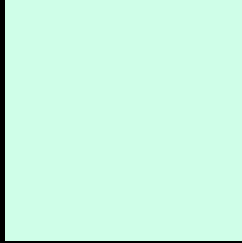
Large Text (above 18pt) WCAG AA × Fail

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, 19.931, 163.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

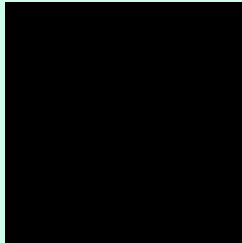
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

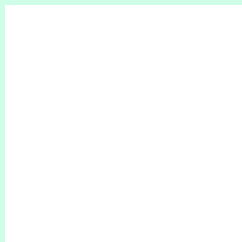
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 19.931, 163.765

Background



This preview shows how black text looks on a background with the CIELCh color 96, 19.931, 163.765.

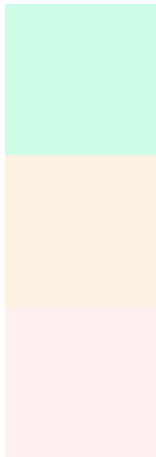


This preview shows how white text looks on a background with the CIELCh color 96, 19.931, 163.765.

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](#).

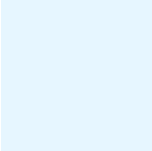
Dichromacy



Original Color
96, 19.945, 163.758

Protanopia
96, 8.788, 87.638

Deuteranopia
96, 5.742, 14.583

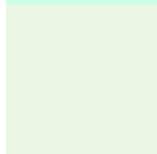


Tritanopia
96, 7.066, 240.063

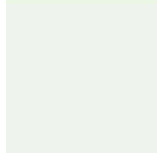
Trichromacy



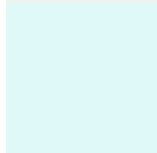
Original Color
96, 19.945, 163.758



Protanomaly
96, 10.041, 132.563



Deuteranomaly
96, 4.180, 140.419

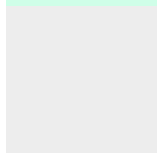


Tritanomaly
96, 9.330, 192.546

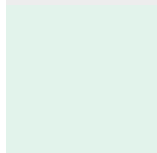
Monochromacy



Original Color
96, 19.945, 163.758



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 7.298, 164.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 19.931, 163.765 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(207, 254, 232)` looks like.

```
.text, #text, p{  
    color:rgb(207, 254, 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(207, 254, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 254, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 19.931, 163.765 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(207, 254, 232) }
```

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

```
.border{ border-color:rgb(207, 254, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 254, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 254, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 254, 232);  
box-shadow:4px 4px 4px 4px rgb(207, 254,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 19.931, 163.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 254, 232) }
```

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

```
.background{ background-color: rgb(207,  
254, 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](#).

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