

Converting Colors

CIELCh(96, 16.776, 199.516)

Have a look what the booklet for
CIELCh(96, 16.776, 199.516)
contains.

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Color

CIElCh(96, 16.851, 200.139)

Conversions

Conversions Part 1

Format	Color
Hex	CAFDFE
RGB	202, 253, 254
RGB Percent	79%, 99%, 100%
CMY	0.2076, 0.0076, 0.0037
CMYK	0.20, 0.00, 0.00, 0.00
HSL	181°, 96%, 89%
HSV	181°, 20%, 100%
XYZ	77.4115, 90.0078, 107.1047
YIQ	237.8650, -30.7170, -10.5010

Conversions

Conversions Part 2

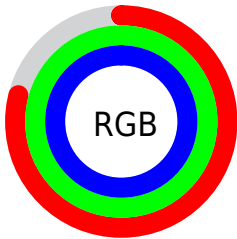
Format	Color
R _Y B	202, 228, 254
Decimal	13303294
CIE Lab	96.00, -15.82, -5.80
CIE LCh	96, 16.851, 200.139
Yxy	90.0078, 0.2820, 0.3279
Android (android.graphics.Color)	4291493374 (0xFFCAFDFE)
YUV	237.8650, 7.9546, -31.4536
Hunter-Lab	94.8724, -20.3790, -0.5238

Details

The CIELCh color **96, 16.851, 200.139** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 19.337, 22.383**, 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, 16.718, 200.029** is the 20% darker color. If you saturate the color by 10%, you get **95, 24.181, 199.746**, and if you desaturate by 10%, it is **98, 8.880, 200.603**.

Distribution



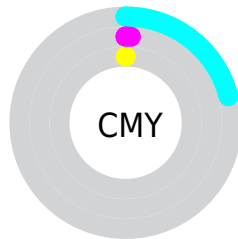
- Red (79%)
- Green (99%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



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





- Cyan (21%)
- Magenta (1%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 16.851, 200.139 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, 16.851, 200.139 by changing the saturation by 10% instead.


 96, 16.851,
200.139


 96, 16.851,
200.139


 100, 16.851,
200.139


 86, 16.851,
200.139

 76, 16.851,
200.139

 66, 16.851,
200.139

 56, 16.851,
200.139

 46, 16.851,
200.139

 36, 16.851,
200.139

 26, 16.851,

200.139

■ 16, 16.851,
200.139

■ 6, 16.851, 200.139

■ 96, 16.851,
200.139

■ 96, 16.851,
200.139

■ 95, 24.181,
199.746

■ 98, 8.880, 200.603

■ 93, 30.723,
199.435

■ 100, 0.406,
202.642

■ 92, 36.343,
199.207

100, 0.279, 72.857

■ 91, 40.931,
199.068

100, 0.467,
109.977

■ 91, 44.418,
199.027

■ 90, 46.795,
199.087

■ 90, 48.125,
199.247

■ 89, 48.618,
199.480

Harmonies

Complementary

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



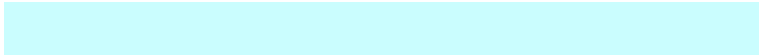
96, 16.851, 200.139



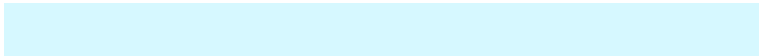
86, 19.337, 22.383

Rectangle

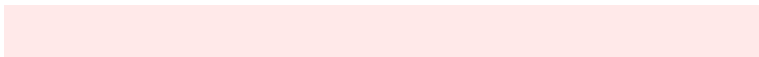
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



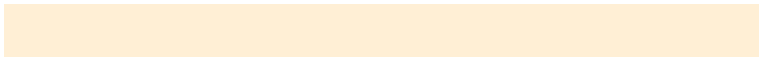
96, 16.851, 200.139



96, 16.851, 250.139



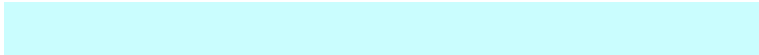
96, 16.851, 20.139



96, 16.851, 70.139

Sweetspot

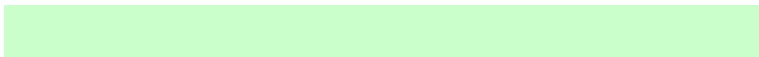
The Sweet Spot groups the original color and five complimentary colors.



96, 16.852, 200.133



99, 5.163, 200.867



95, 32.248, 143.551



53, 3.419, 200.823



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

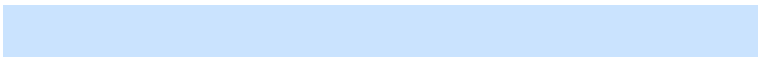
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 16.852, 200.133



96, 20.322, 199.948



89, 16.032, 260.226



52, 4.850, 200.654



69, 39.287, 199.426



23, 18.131, 199.051

Inverse Universe

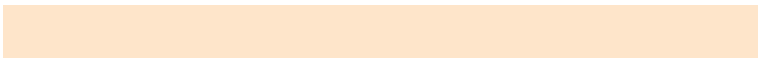
The Inverse Universe completely reimagines the original color for something new.



87, 32.218, 326.087



85, 39.465, 326.339



92, 16.837, 74.597



50, 8.940, 325.463



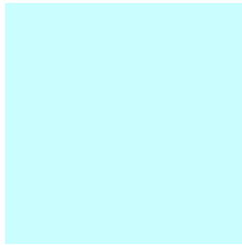
45, 91.694, 329.010



12, 42.260, 328.914

Previews

White Background



This preview shows how the CIE LCh color 96, 16.851, 200.139 looks on a white background.

Color Contrast Check

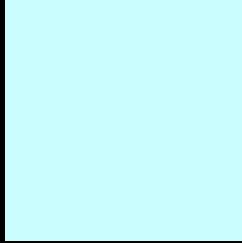
Large Text (above 18pt) WCAG AA × Fail

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, 16.851, 200.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

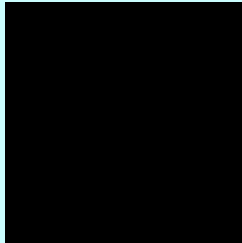
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 16.851, 200.139

Background



This preview shows how black text looks on a background with the CIELCh color 96, 16.851, 200.139.

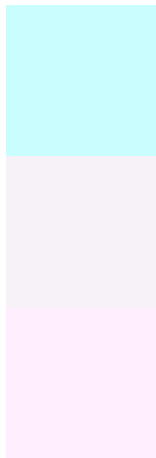


This preview shows how white text looks on a background with the CIELCh color 96, 16.851, 200.139.

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](#).

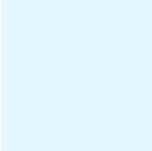
Dichromacy



Original Color
96, 16.851, 200.139

Protanopia
96, 2.946, 318.819

Deuteranopia
96, 9.778, 328.170

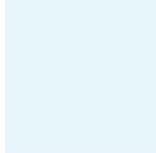


Tritanopia
96, 7.582, 236.737

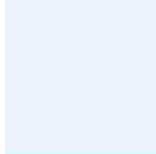
Trichromacy



Original Color
96, 16.851, 200.139



Protanomaly
96, 5.831, 219.809

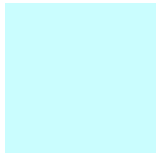


Deuteranomaly
96, 5.631, 265.282

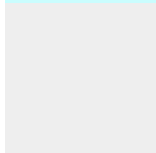


Tritanomaly
96, 10.485, 215.970

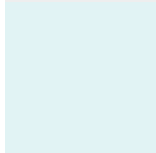
Monochromacy



Original Color
96, 16.851, 200.139



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 6.230, 203.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 16.851, 200.139 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, 253, 254)` looks like.

```
.text, #text, p{  
    color:rgb(202, 253, 254)  
}
```

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, 253, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 253, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 16.851, 200.139 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, 253, 254) }
```

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

```
.border{ border-color:rgb(202, 253, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 253, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 253, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 253, 254);  
box-shadow:4px 4px 4px 4px rgb(202, 253,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 16.851, 200.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 253, 254) }
```

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

```
.background{ background-color: rgb(202,  
253, 254) }
```

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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