

Converting Colors

CIELCh(97, 23.081, 183.703)

Have a look what the booklet for
CIELCh(97, 23.081, 183.703)
contains.

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Color

CIElCh(96, 21.189, 188.285)

Conversions

Conversions Part 1

Format	Color
Hex	C1FFF9
RGB	193, 255, 249
RGB Percent	76%, 100%, 98%
CMY	0.2447, 0.0000, 0.0251
CMYK	0.24, 0.00, 0.03, 0.00
HSL	174°, 100%, 88%
HSV	174°, 24%, 100%
XYZ	74.8797, 90.0078, 102.7258
YIQ	235.7780, -35.0260, -15.0100

Conversions

Conversions Part 2

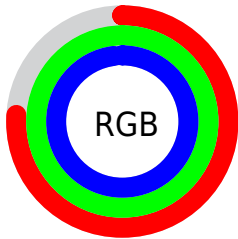
Format	Color
R_{YB}	193, 226, 255
Decimal	12713977
CIE Lab	96.00, -20.97, -3.05
CIE LCh	96, 21.189, 188.285
Yxy	90.0078, 0.2798, 0.3363
Android (android.graphics.Color)	4290904057 (0xFFC1FFF9)
YUV	235.7780, 6.5184, -37.5163
Hunter-Lab	94.8724, -25.1426, 2.2128

Details

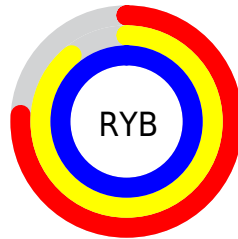
The CIELCh color **96, 21.189, 188.285** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 23.903, 13.347**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.389, 199.794**, and **76, 20.600, 190.296** is the 20% darker color. If you saturate the color by 10%, you get **94, 28.556, 188.226**, and if you desaturate by 10%, it is **97, 12.695, 189.865**.

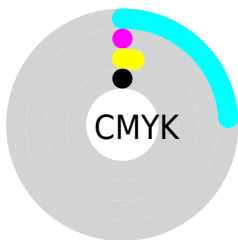
Distribution



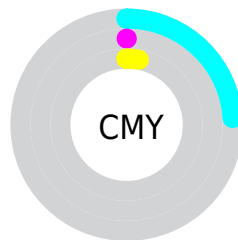
- Red (76%)
- Green (100%)
- Blue (98%)



- Red (76%)
- Yellow (89%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 21.189, 188.285 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, 21.189, 188.285 by changing the saturation by 10% instead.


 96, 21.189,
188.285


 96, 21.189,
188.285

 100, 21.189,
188.285


 86, 21.189,
188.285

 76, 21.189,
188.285

 66, 21.189,
188.285

 56, 21.189,
188.285

 46, 21.189,
188.285

 36, 21.189,
188.285

 26, 21.189,

188.285

■ 16, 21.189,
188.285

■ 6, 21.189, 188.285

■ 96, 21.189,
188.285

■ 96, 21.189,
188.285

■ 94, 28.556,
188.226

■ 97, 12.695,
189.865

■ 93, 35.418,
187.385

■ 99, 3.999, 190.760

■ 92, 41.374,
186.512

100, 0.012,
296.813

■ 92, 46.307,
185.594

■ 91, 50.152,
184.611

■ 91, 52.908,
183.545

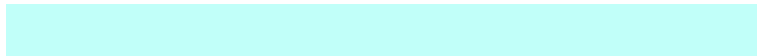
■ 90, 54.661,
182.379

■ 90, 55.326,
181.701

Harmonies

Complementary

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



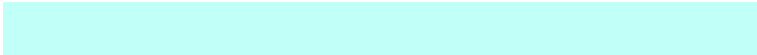
96, 21.189, 188.285



84, 23.903, 13.347

Rectangle

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



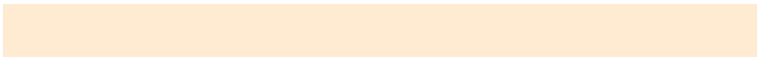
96, 21.189, 188.285



96, 21.189, 238.285



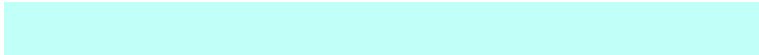
96, 21.189, 8.285



96, 21.189, 58.285

Sweetspot

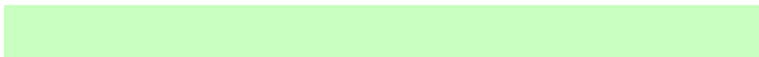
The Sweet Spot groups the original color and five complimentary colors.



96, 20.931, 189.047



99, 6.232, 190.505



95, 37.675, 139.844



53, 4.045, 190.450



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

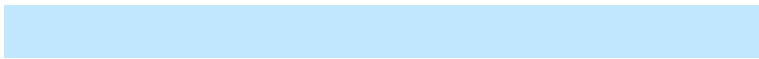
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 20.931, 189.047



95, 24.467, 188.677



90, 17.323, 244.991



52, 5.038, 190.282



70, 44.472, 181.928



23, 20.180, 183.518

Inverse Universe

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



84, 23.903, 13.347



81, 28.712, 13.951



89, 19.454, 59.494



50, 5.291, 11.686



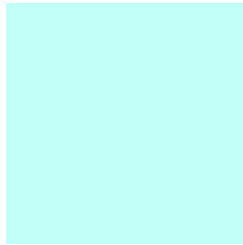
40, 79.859, 35.829



10, 32.584, 23.013

Previews

White Background



This preview shows how the CIE LCh color 96, 21.189, 188.285 looks on a white background.

Color Contrast Check

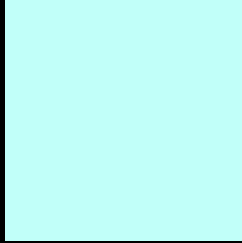
Large Text (above 18pt) WCAG AA × Fail

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, 21.189, 188.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

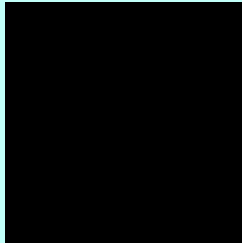
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

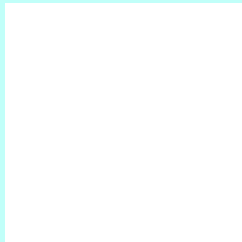
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.189, 188.285

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.189, 188.285.

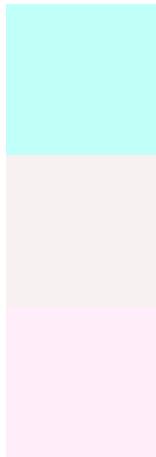


This preview shows how white text looks on a background with the CIELCh color 96, 21.189, 188.285.

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, 20.758, 189.551

Protanopia

96, 2.128, 19.249

Deuteranopia

95, 8.881, 336.118

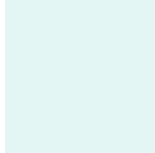


Tritanopia
96, 8.392, 232.550

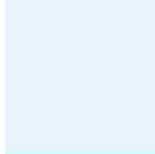
Trichromacy



Original Color
96, 20.758, 189.551



Protanomaly
95, 6.676, 190.209



Deuteranomaly
95, 4.830, 231.435

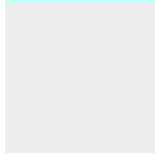


Tritanomaly
96, 12.201, 208.429

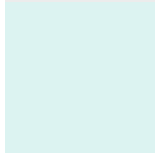
Monochromacy



Original Color
96, 20.758, 189.551



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 8.033, 191.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 21.189, 188.285 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(193, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 249)  
}
```

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(193, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.189, 188.285 is called "border". The border property can be set on classes, ids or directly on the HTML element.

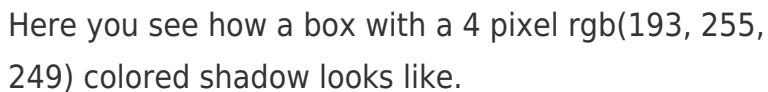
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 255, 249) }
```

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

```
.border{ border-color:rgb(193, 255, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 255, 249); box-shadow:4px 4px 4px 4px rgb(193, 255, 249) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.189, 188.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 249) }
```

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

```
.background{ background-color: rgb(193,  
255, 249) }
```

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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