

Converting Colors

CIELCh(100, 61.001, 286.696)

Have a look what the booklet for
CIELCh(100, 61.001, 286.696)
contains.

CIELCh(96, 10.686, 212.744)	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, 10.686, 212.744)

Conversions

Conversions Part 1

Format	Color
Hex	DAF9FE
RGB	218, 249, 254
RGB Percent	85%, 98%, 100%
CMY	0.1441, 0.0226, 0.0030
CMYK	0.14, 0.02, 0.00, 0.00
HSL	188°, 96%, 93%
HSV	188°, 14%, 100%
XYZ	80.8598, 90.0078, 107.0694
YIQ	240.3010, -20.0810, -5.0170

Conversions

Conversions Part 2

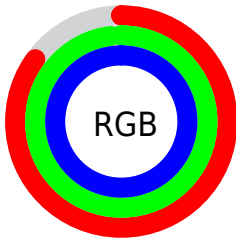
Format	Color
R _{YB}	218, 235, 254
Decimal	14350846
CIE _{Lab}	96.00, -8.99, -5.78
CIE _{LCh}	96, 10.686, 212.744
Yxy	90.0078, 0.2909, 0.3238
Android (android.graphics.Color)	4292540926 (0xFFDAF9FE)
YUV	240.3010, 6.7536, -19.5580
Hunter-Lab	94.8724, -13.8911, -0.5017

Details

The CIELCh color **96, 10.686, 212.744** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **91, 11.744, 32.758**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 10.675, 210.358** is the 20% darker color. If you saturate the color by 10%, you get **94, 17.656, 212.880**, and if you desaturate by 10%, it is **99, 3.221, 212.830**.

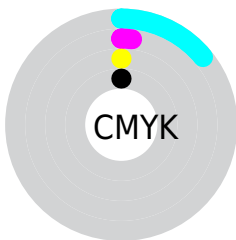
Distribution



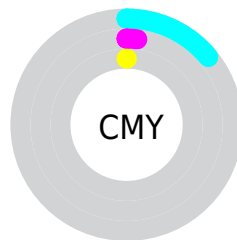
- Red (85%)
- Green (98%)
- Blue (100%)



- Red (85%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (2%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 10.686, 212.744 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, 10.686, 212.744 by changing the saturation by 10% instead.


 96, 10.686,
212.744


 96, 10.686,
212.744


 100, 10.686,
212.744


 86, 10.686,
212.744

 76, 10.686,
212.744

 66, 10.686,
212.744

 56, 10.686,
212.744

 46, 10.686,
212.744

 36, 10.686,
212.744

 26, 10.686,

212.744

■ 16, 10.686,
212.744

■ 6, 10.686, 212.744

■ 96, 10.686,
212.744

■ 96, 10.686,
212.744

■ 94, 17.656,
212.880

■ 99, 3.221, 212.830

■ 91, 24.004,
213.202

100, 0.379,
109.945

■ 89, 29.605,
213.729

■ 87, 34.334,
214.507

■ 85, 38.096,
215.591

■ 84, 40.834,
217.042

■ 83, 42.562,
218.920

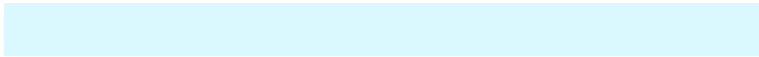
■ 81, 43.379,
221.274

■ 81, 43.570,
222.837

Harmonies

Complementary

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



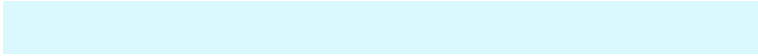
96, 10.686, 212.744



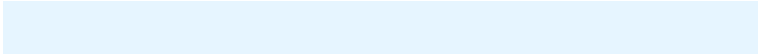
91, 11.744, 32.758

Rectangle

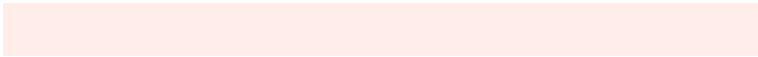
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 10.686, 212.744



96, 10.686, 262.744



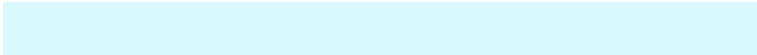
96, 10.686, 32.744



96, 10.686, 82.744

Sweetspot

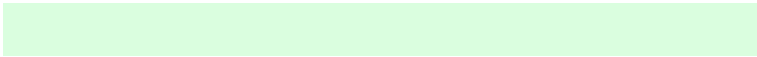
The Sweet Spot groups the original color and five complimentary colors.



96, 10.687, 212.733



99, 3.111, 212.838



97, 20.525, 147.397



53, 2.207, 212.804



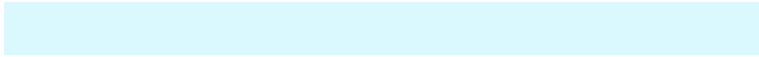
0, 0.000, 0.000



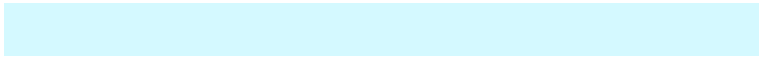
53, 0.007, 296.813

Same Dimension

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



96, 10.687, 212.733



96, 12.757, 212.758



91, 12.509, 270.359



52, 4.360, 212.727



62, 35.199, 222.325



20, 16.305, 218.789

Inverse Universe

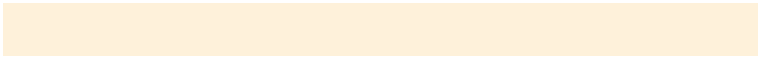
The Inverse Universe completely reimagines the original color for something new.



91, 20.493, 329.315



89, 24.703, 329.493



96, 12.612, 86.532



50, 8.231, 329.024



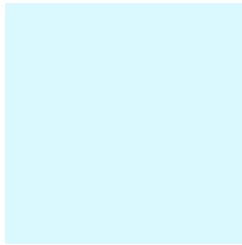
44, 83.479, 334.673



12, 38.906, 333.792

Previews

White Background



This preview shows how the CIE LCh color 96, 10.686, 212.744 looks on a white background.

Color Contrast Check

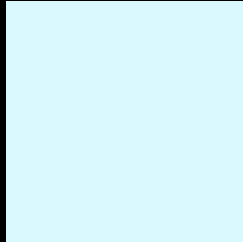
Large Text (above 18pt) WCAG AA × Fail

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, 10.686, 212.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

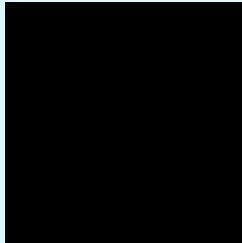
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 10.686, 212.744

Background



This preview shows how black text looks on a background with the CIELCh color 96, 10.686, 212.744.

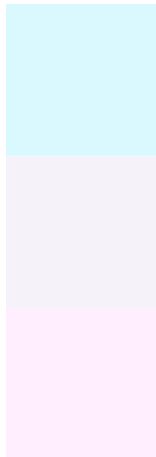


This preview shows how white text looks on a background with the CIELCh color 96, 10.686, 212.744.

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, 10.692, 212.744

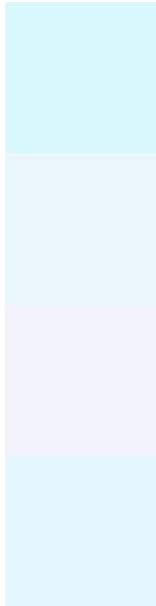
Protanopia
96, 4.255, 304.730

Deuteranopia
96, 9.778, 328.170



Tritanopia
96, 6.501, 251.484

Trichromacy



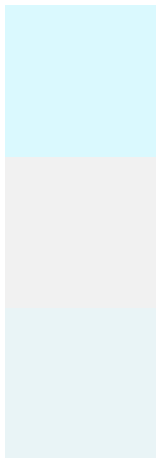
Original Color
96, 10.692, 212.744

Protanomaly
96, 4.928, 246.175

Deuteranomaly
96, 5.649, 290.624

Tritanomaly
96, 7.574, 231.977

Monochromacy



Original Color
96, 10.692, 212.744

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 3.936, 214.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 10.686, 212.744 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(218, 249, 254)` looks like.

```
.text, #text, p{  
    color:rgb(218, 249, 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(218, 249, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 249, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 10.686, 212.744 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(218, 249, 254) }
```

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

```
.border{ border-color:rgb(218, 249, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 249, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 249, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 249, 254);  
box-shadow:4px 4px 4px 4px rgb(218, 249,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 10.686, 212.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 249, 254) }
```

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

```
.background{ background-color: rgb(218,  
249, 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](#).

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