

# Converting Colors

CIELCh(96, 9.806, 206.635)

Have a look what the booklet for  
CIELCh(96, 9.806, 206.635) contains.

<b>CIELCh(96, 9.912, 207.809)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(96, 9.912, 207.809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCF9FC
RGB	220, 249, 252
RGB Percent	86%, 98%, 99%
CMY	0.1372, 0.0234, 0.0117
CMYK	0.13, 0.01, 0.00, 0.01
HSL	186°, 84%, 93%
HSV	186°, 13%, 99%
XYZ	80.9729, 90.0078, 105.2137
YIQ	240.6710, -18.2470, -5.2150

# Conversions

## Conversions Part 2

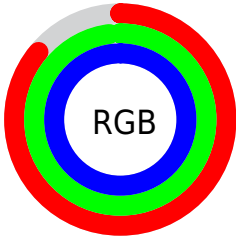
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 235, 252
Decimal	14481916
CIE Lab	96.00, -8.77, -4.62
CIE LCh	96, 9.912, 207.809
Yxy	90.0078, 0.2932, 0.3259
Android (android.graphics.Color)	4292671996 (0xFFDC9FC)
YUV	240.6710, 5.5852, -18.1285
Hunter-Lab	94.8724, -13.6784, 0.6580

# Details

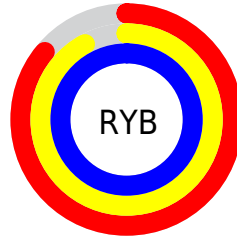
The CIELCh color **96, 9.912, 207.809** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **91, 10.784, 28.308**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 9.920, 204.960** is the 20% darker color. If you saturate the color by 10%, you get **94, 17.165, 207.685**, and if you desaturate by 10%, it is **98, 2.161, 208.213**.

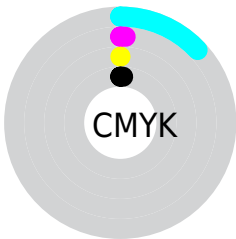
# Distribution



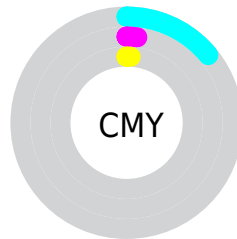
- Red (86%)
- Green (98%)
- Blue (99%)



- Red (86%)
- Yellow (92%)
- Blue (99%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (1%)



- Cyan (14%)
- Magenta (2%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 9.912, 207.809 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, 9.912, 207.809 by changing the saturation by 10% instead.



96, 9.912, 207.809

96, 9.912, 207.809

100, 9.912,  
207.809

86, 9.912, 207.809

76, 9.912, 207.809

66, 9.912, 207.809

56, 9.912, 207.809

46, 9.912, 207.809

36, 9.912, 207.809

26, 9.912, 207.809

16, 9.912, 207.809

6, 9.912, 207.809

96, 9.912, 207.809

96, 9.912, 207.809

94, 17.165,  
207.685

98, 2.161, 208.213

92, 23.789,  
207.705

100, 0.965, 82.809

90, 29.650,  
207.874

100, 1.502,  
110.014

88, 34.621,  
208.219

87, 38.596,  
208.776

86, 41.512,  
209.580

85, 43.364,  
210.670

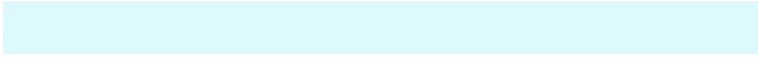
84, 44.229,  
212.074

■ 83, 44.395,  
213.279

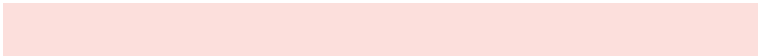
# Harmonies

# Complementary

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



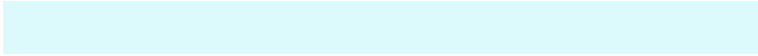
96, 9.912, 207.809



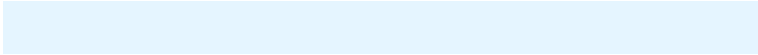
91, 10.784, 28.308

# Rectangle

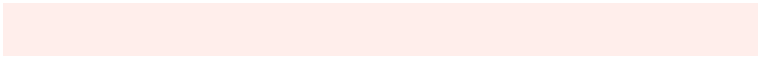
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 9.912, 207.809



96, 9.912, 257.809



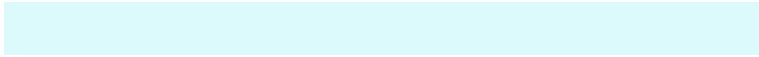
96, 9.912, 27.809



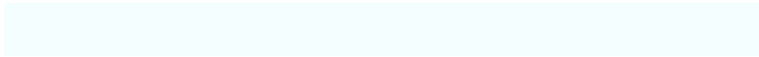
96, 9.912, 77.809

# Sweetspot

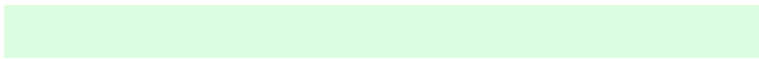
The Sweet Spot groups the original color and five complimentary colors.



96, 9.913, 207.797



99, 3.225, 208.086



96, 18.927, 145.990



53, 2.288, 208.038



0, 0.000, 0.000



53, 0.007, 296.813



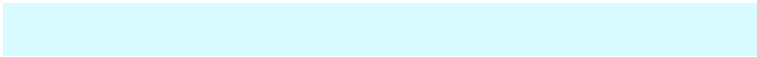


# Same Dimension

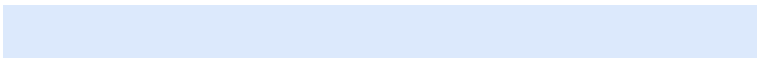
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 9.913, 207.797



96, 11.742, 207.759



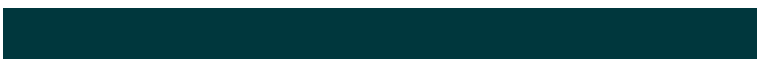
92, 10.563, 265.667



51, 4.447, 207.867



64, 35.767, 212.949



21, 16.351, 210.633



# Inverse Universe

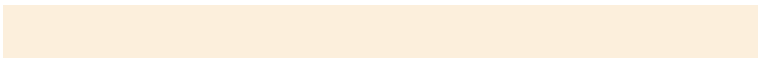
The Inverse Universe completely reimagines the original color for something new.



91, 18.824, 327.801



91, 22.474, 327.939



95, 10.728, 82.210



49, 8.355, 327.607



44, 85.620, 332.356

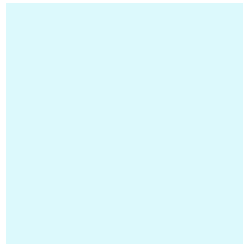


11, 39.099, 331.789



# Previews

## White Background



This preview shows how the CIELCh color 96, 9.912, 207.809 looks on a white background.

## Color Contrast Check

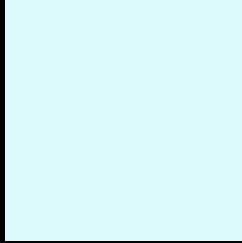
Large Text (above 18pt) WCAG AA × Fail

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, 9.912, 207.809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

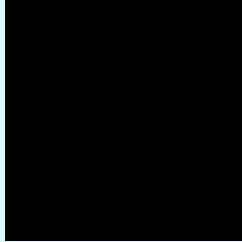
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 96, 9.912, 207.809

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 9.912, 207.809.

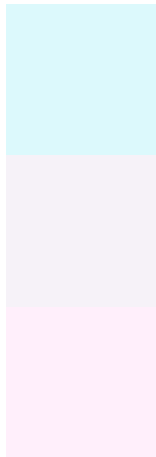


This preview shows how white text looks on a background with the CIELCh color 96, 9.912, 207.809.

# 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, 9.912, 207.809

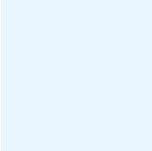
### Protanopia

96, 3.405, 314.710

### Deuteranopia

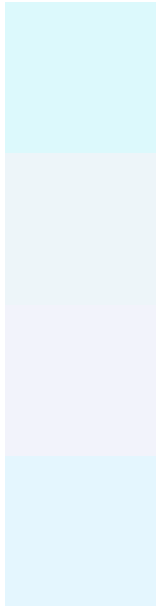
96, 8.376, 332.702





**Tritanopia**  
96, 6.501, 251.484

# Trichromacy



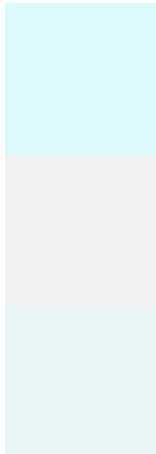
**Original Color**  
96, 9.912, 207.809

**Protanomaly**  
96, 3.423, 236.273

**Deuteranomaly**  
96, 4.117, 285.677

**Tritanomaly**  
96, 7.301, 233.412

# Monochromacy



**Original Color**  
96, 9.912, 207.809

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 3.850, 206.992

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 9.912, 207.809 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(220, 249, 252)` looks like.

```
.text, #text, p{  
    color:rgb(220, 249, 252)  
}
```

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(220, 249, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 249, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 9.912, 207.809 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(220, 249, 252) }
```

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

```
.border{ border-color:rgb(220, 249, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 249, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 249, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 249, 252);  
box-shadow:4px 4px 4px 4px rgb(220, 249,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 9.912, 207.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 249, 252) }
```

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

```
.background{ background-color: rgb(220,  
249, 252) }
```

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