

# Converting Colors

CIELCh(97, 13.731, 248.590)

Have a look what the booklet for  
CIELCh(97, 13.731, 248.590)  
contains.

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# Color

**CIELCh(96, 9.741, 214.181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDF9FE
RGB	221, 249, 254
RGB Percent	87%, 98%, 100%
CMY	0.1345, 0.0248, 0.0052
CMYK	0.13, 0.02, 0.00, 0.01
HSL	189°, 93%, 93%
HSV	189°, 13%, 99%
XYZ	81.3367, 90.0078, 106.5738
YIQ	241.1980, -18.2930, -4.3810

# Conversions

## Conversions Part 2

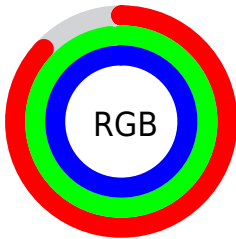
Format	Color
R <sub>Y</sub> B	221, 236, 254
Decimal	14547454
CIE Lab	96.00, -8.06, -5.47
CIE LCh	96, 9.741, 214.181
Yxy	90.0078, 0.2927, 0.3239
Android (android.graphics.Color)	4292737534 (0xFFDDDF9FE)
YUV	241.1980, 6.3114, -17.7136
Hunter-Lab	94.8724, -12.9938, -0.1920

# Details

The CIELCh color **96, 9.741, 214.181** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **92, 10.615, 34.017**, 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, 9.691, 211.633** is the 20% darker color. If you saturate the color by 10%, you get **93, 16.702, 214.366**, and if you desaturate by 10%, it is **99, 2.307, 214.293**.

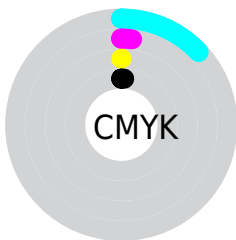
# Distribution



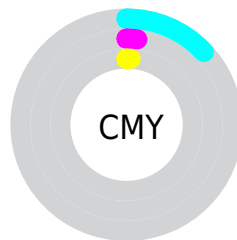
- Red (87%)
- Green (98%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (2%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 9.741, 214.181 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, 9.741, 214.181 by changing the saturation by 10% instead.



 96, 9.741, 214.181

 96, 9.741, 214.181

 100, 9.741,  
214.181

 86, 9.741, 214.181

 76, 9.741, 214.181

 66, 9.741, 214.181

 56, 9.741, 214.181

 46, 9.741, 214.181

 36, 9.741, 214.181

 26, 9.741, 214.181

 16, 9.741, 214.181

 6, 9.741, 214.181

96, 9.741, 214.181

96, 9.741, 214.181

93, 16.702,  
214.366

99, 2.307, 214.293

91, 23.069,  
214.747

100, 0.663,  
110.012

89, 28.714,  
215.344

87, 33.519,  
216.205

85, 37.383,  
217.391

83, 40.248,  
218.966

82, 42.118,  
221.000

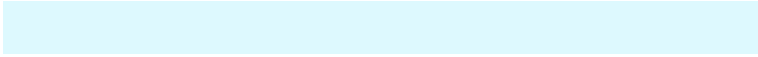
80, 43.087,  
223.548

■ 80, 43.388,  
225.603

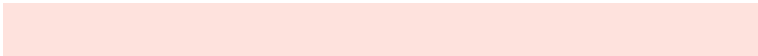
# Harmonies

# Complementary

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



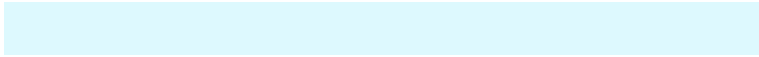
96, 9.741, 214.181



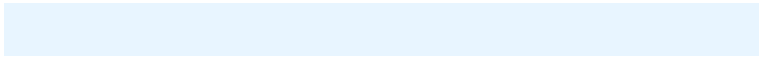
92, 10.615, 34.017

# Rectangle

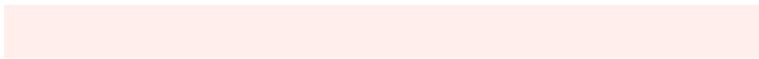
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 9.741, 214.181



96, 9.741, 264.181



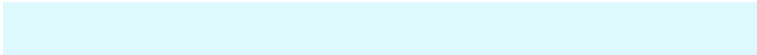
96, 9.741, 34.181



96, 9.741, 84.181

# Sweetspot

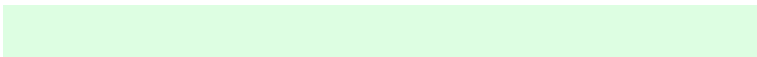
The Sweet Spot groups the original color and five complimentary colors.



96, 9.742, 214.169



99, 3.083, 214.226



97, 18.583, 148.011



53, 2.187, 214.196



0, 0.000, 0.000



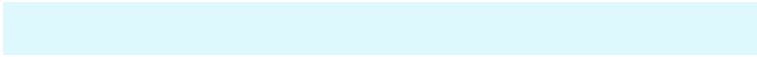
53, 0.007, 296.813



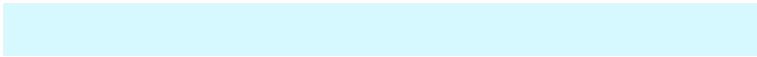


# Same Dimension

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



96, 9.742, 214.169



96, 11.936, 214.209



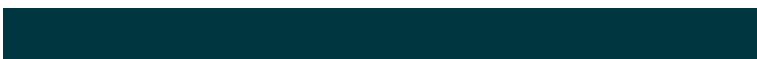
92, 11.672, 271.573



52, 4.320, 214.146



61, 35.097, 225.042



20, 16.224, 221.132



# Inverse Universe

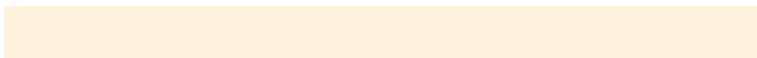
The Inverse Universe completely reimagines the original color for something new.



91, 18.610, 329.657



90, 23.038, 329.847



96, 11.724, 88.095



50, 8.158, 329.436



44, 82.670, 335.361

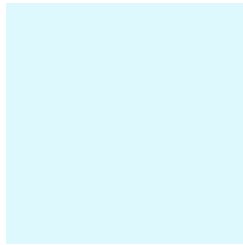


12, 38.571, 334.375



# Previews

## White Background



This preview shows how the CIELCh color 96, 9.741, 214.181 looks on a white background.

## Color Contrast Check

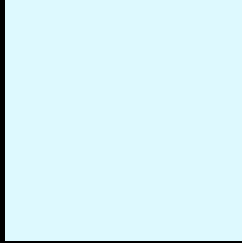
Large Text (above 18pt) WCAG AA × Fail

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, 9.741, 214.181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

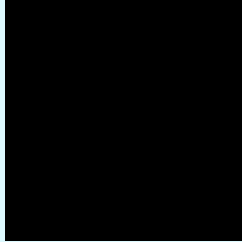
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

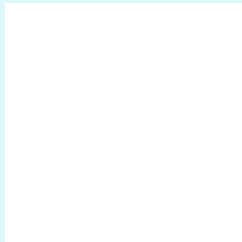
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 9.741, 214.181

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 9.741, 214.181.

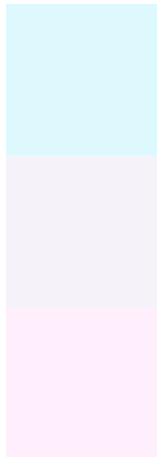


This preview shows how white text looks on a background with the CIELCh color 96, 9.741, 214.181.

# 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, 9.747, 214.182

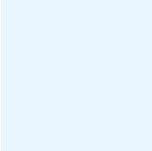
### Protanopia

96, 4.255, 304.730

### Deuteranopia

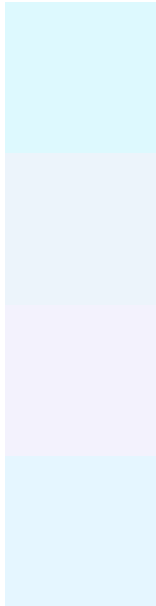
96, 9.381, 330.090





**Tritanopia**  
96, 6.501, 251.484

# Trichromacy



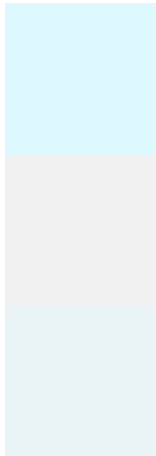
**Original Color**  
96, 9.747, 214.182

**Protanomaly**  
96, 4.492, 252.561

**Deuteranomaly**  
96, 5.664, 294.126

**Tritanomaly**  
96, 7.321, 238.340

# Monochromacy



**Original Color**  
96, 9.747, 214.182

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
96, 3.606, 215.911

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 9.741, 214.181 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(221, 249, 254)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 249, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 249, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 9.741, 214.181 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(221, 249, 254) }
```

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

```
.border{ border-color:rgb(221, 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(221, 249, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 249, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 249, 254);  
box-shadow:4px 4px 4px 4px rgb(221, 249,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 9.741, 214.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 249, 254) }
```

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

```
.background{ background-color: rgb(221,  
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](#).

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