

# Converting Colors

CIELCh(98, 24.490, 270.315)

Have a look what the booklet for  
CIELCh(98, 24.490, 270.315)  
contains.

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# Color

**CIELCh(97, 9.962, 210.763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFCFF
RGB	223, 252, 255
RGB Percent	87%, 99%, 100%
CMY	0.1262, 0.0124, 0.0000
CMYK	0.13, 0.01, 0.00, 0.00
HSL	186°, 100%, 94%
HSV	186°, 13%, 100%
XYZ	83.3102, 92.4403, 108.7573
YIQ	243.6710, -18.2470, -5.2150

# Conversions

## Conversions Part 2

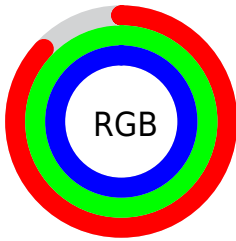
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 238, 255
Decimal	14679295
CIE <sub>Lab</sub>	97.00, -8.56, -5.10
CIE <sub>LCh</sub>	97, 9.962, 210.763
Yxy	92.4403, 0.2928, 0.3249
Android (android.graphics.Color)	4292869375 (0xFFDFFCFF)
YUV	243.6710, 5.5852, -18.1285
Hunter-Lab	96.1459, -13.5855, 0.2350

# Details

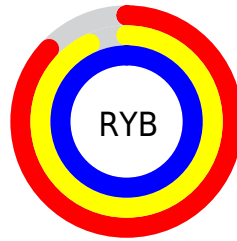
The CIELCh color **97, 9.962, 210.763** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **92, 10.776, 28.768**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 9.608, 208.439** is the 20% darker color. If you saturate the color by 10%, you get **95, 17.204, 208.226**, and if you desaturate by 10%, it is **99, 2.114, 208.718**.

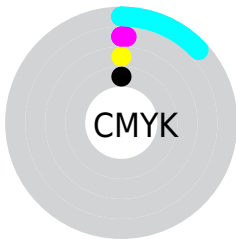
# Distribution



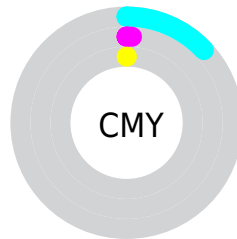
- Red (87%)
- Green (99%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 9.962, 210.763 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 97, 9.962, 210.763 by changing the saturation by 10% instead.



 97, 9.962, 210.763

 97, 9.962, 210.763

 100, 9.962,  
210.763

 87, 9.962, 210.763

 77, 9.962, 210.763

 67, 9.962, 210.763

 57, 9.962, 210.763

 47, 9.962, 210.763

 37, 9.962, 210.763

 27, 9.962, 210.763

 17, 9.962, 210.763

 7, 9.962, 210.763

97, 9.962, 210.763

97, 9.962, 210.763

95, 17.204,  
208.226

99, 2.114, 208.718

93, 23.868,  
208.274

100, 0.012,  
296.813

91, 29.766,  
208.475

89, 34.770,  
208.861

88, 38.772,  
209.467

86, 41.708,  
210.332

85, 43.574,  
211.496

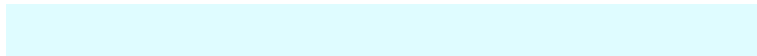
84, 44.448,  
212.993

■ 84, 44.617,  
214.291

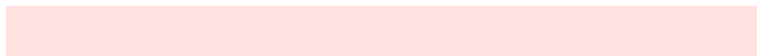
# Harmonies

# Complementary

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



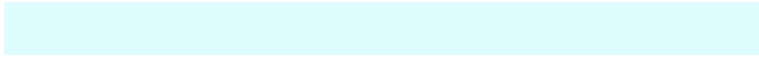
97, 9.962, 210.763



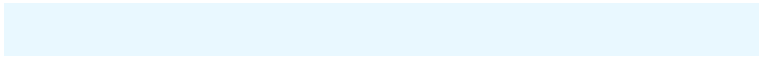
92, 10.776, 28.768

# Rectangle

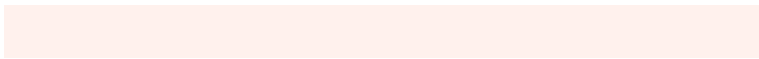
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 9.962, 210.763



97, 9.962, 260.763



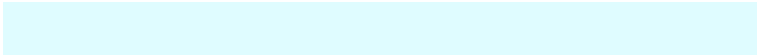
97, 9.962, 30.763



97, 9.962, 80.763

# Sweetspot

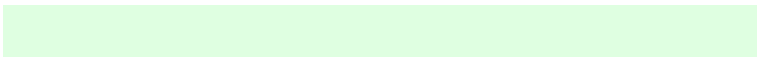
The Sweet Spot groups the original color and five complimentary colors.



97, 9.909, 208.315



99, 3.212, 208.584



97, 18.996, 145.995



53, 2.278, 208.538



0, 0.000, 0.000



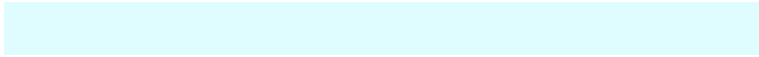
53, 0.007, 296.813



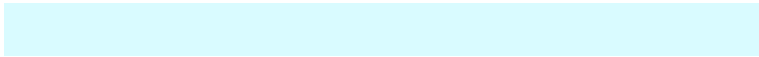


# Same Dimension

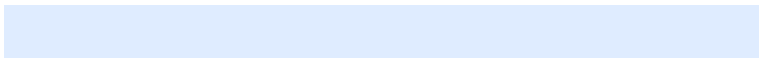
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 9.909, 208.315



96, 11.693, 208.281



93, 10.602, 265.657



52, 4.502, 208.375



65, 35.984, 213.946



21, 16.718, 211.593



# Inverse Universe

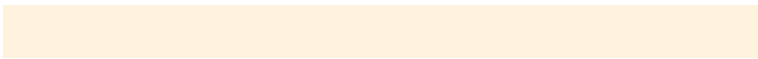
The Inverse Universe completely reimagines the original color for something new.



92, 18.829, 327.946



91, 22.398, 328.090



96, 10.766, 82.218



50, 8.466, 327.757



44, 86.143, 332.600

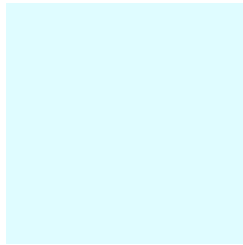


12, 40.000, 332.024



# Previews

## White Background



This preview shows how the CIELCh color 97, 9.962, 210.763 looks on a white background.

## Color Contrast Check

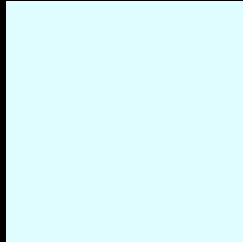
Large Text (above 18pt) WCAG AA × Fail

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 97, 9.962, 210.763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

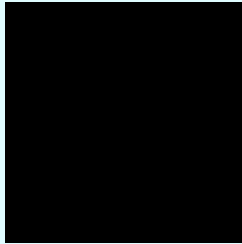
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 97, 9.962, 210.763

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 9.962, 210.763.

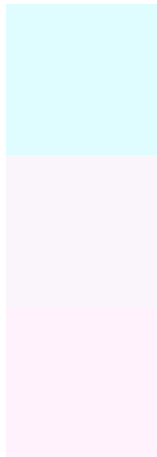


This preview shows how white text looks on a background with the CIELCh color 97, 9.962, 210.763.

# 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

97, 9.894, 207.811

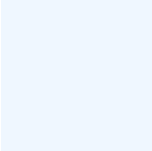
### Protanopia

97, 3.397, 314.709

### Deuteranopia

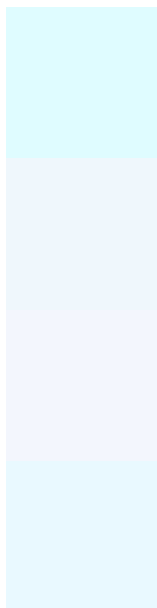
97, 6.894, 331.898





**Tritanopia**  
97, 4.893, 256.310

# Trichromacy



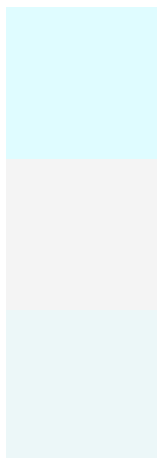
**Original Color**  
97, 9.894, 207.811

**Protanomaly**  
97, 3.737, 242.701

**Deuteranomaly**  
97, 3.719, 274.258

**Tritanomaly**  
97, 6.217, 228.833

# Monochromacy



**Original Color**  
97, 9.894, 207.811

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 3.841, 206.995

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 9.962, 210.763 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(223, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 252, 255)  
}
```

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(223, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 252, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 9.962, 210.763 is called "border". The border property can be set on classes, ids or directly on the HTML element.

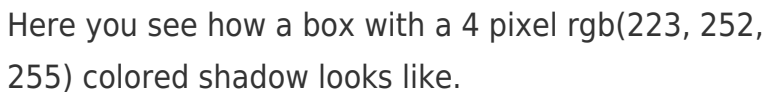
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 252, 255) }
```

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

```
.border{ border-color:rgb(223, 252, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(223, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 252, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 252, 255); box-shadow:4px 4px 4px 4px rgb(223, 252, 255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 9.962, 210.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 252, 255) }
```

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

```
.background{ background-color: rgb(223,  
252, 255) }
```

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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