

# Converting Colors

CIELCh(97, 14.683, 248.527)

Have a look what the booklet for  
CIELCh(97, 14.683, 248.527)  
contains.

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# **Color**

**CIElCh(97, 10.600, 209.998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDFCFF
RGB	221, 252, 255
RGB Percent	87%, 99%, 100%
CMY	0.1326, 0.0110, 0.0000
CMYK	0.13, 0.01, 0.00, 0.00
HSL	185°, 100%, 93%
HSV	185°, 13%, 100%
XYZ	82.9868, 92.4403, 109.0910
YIQ	243.0730, -19.4390, -5.6390

# Conversions

## Conversions Part 2

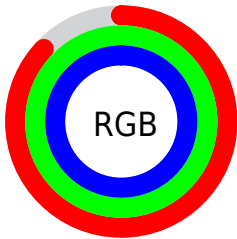
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 237, 255
Decimal	14548223
CIE Lab	97.00, -9.18, -5.30
CIE LCh	97, 10.600, 209.998
Yxy	92.4403, 0.2917, 0.3249
Android (android.graphics.Color)	4292738303 (0xFFDDFCFF)
YUV	243.0730, 5.8800, -19.3580
Hunter-Lab	96.1459, -14.1857, 0.0293

# Details

The CIELCh color `97, 10.600, 209.998` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `92, 11.509, 27.322`, 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, 10.273, 207.758` is the 20% darker color. If you saturate the color by 10%, you get `95, 17.896, 206.493`, and if you desaturate by 10%, it is `99, 2.662, 207.058`.

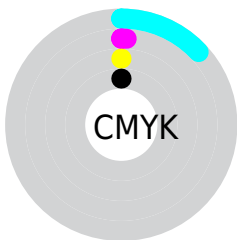
# Distribution



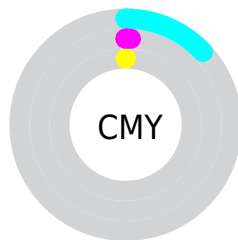
- Red (87%)
- Green (99%)
- Blue (100%)



- 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, 10.600, 209.998 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, 10.600, 209.998 by changing the saturation by 10% instead.





 97, 10.600,  
209.998


 97, 10.600,  
209.998

 100, 10.600,  
209.998


 87, 10.600,  
209.998

 77, 10.600,  
209.998

 67, 10.600,  
209.998

 57, 10.600,  
209.998

 47, 10.600,  
209.998

 37, 10.600,  
209.998

 27, 10.600,

209.998

■ 17, 10.600,  
209.998

■ 7, 10.600, 209.998

■ 97, 10.600,  
209.998

■ 97, 10.600,  
209.998

■ 95, 17.896,  
206.493

■ 99, 2.662, 207.058

■ 93, 24.606,  
206.458

100, 0.012,  
296.813

■ 91, 30.528,  
206.562

■ 90, 35.535,  
206.830

■ 88, 39.522,  
207.291

■ 87, 42.427,  
207.977

■ 86, 44.251,  
208.920

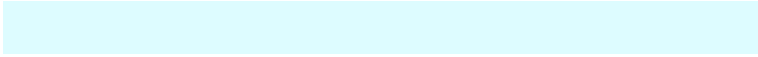
■ 85, 45.077,  
210.143

■ 85, 45.219,  
211.106

# Harmonies

# Complementary

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



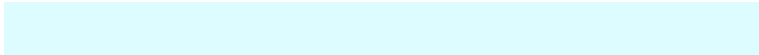
97, 10.600, 209.998



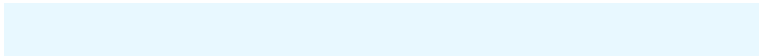
92, 11.509, 27.322

# Rectangle

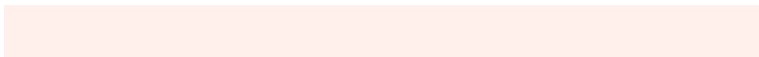
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 10.600, 209.998



97, 10.600, 259.998



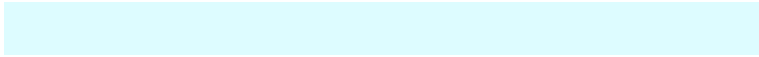
97, 10.600, 29.998



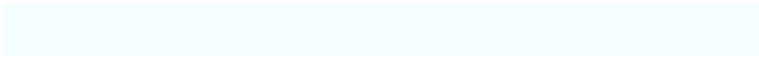
97, 10.600, 79.998

# Sweetspot

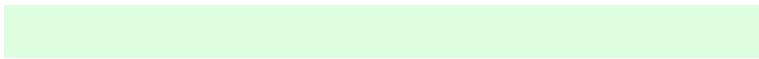
The Sweet Spot groups the original color and five complimentary colors.



97, 10.537, 206.652



99, 3.256, 206.994



97, 20.201, 145.467



53, 2.310, 206.943



0, 0.000, 0.000



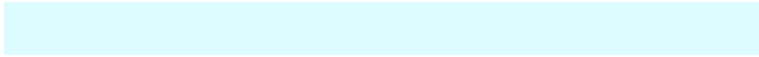
53, 0.007, 296.813



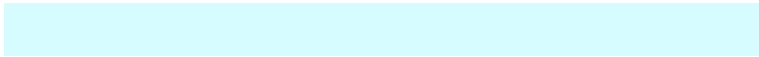


# Same Dimension

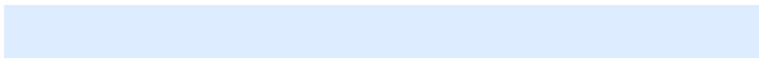
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 10.537, 206.652



96, 12.607, 206.596



93, 10.955, 264.161



52, 4.564, 206.749



65, 36.469, 210.826



22, 16.940, 208.913



# Inverse Universe

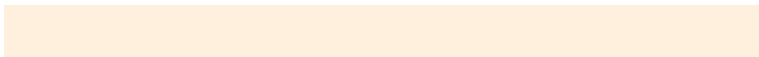
The Inverse Universe completely reimagines the original color for something new.



92, 20.008, 327.506



90, 24.162, 327.668



96, 11.172, 80.543



50, 8.559, 327.280



45, 87.217, 331.836

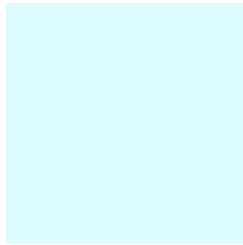


12, 40.440, 331.368



# Previews

## White Background



This preview shows how the CIE LCh color 97, 10.600, 209.998 looks on a white background.

## Color Contrast Check

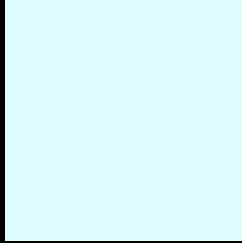
Large Text (above 18pt) WCAG AA × Fail

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, 10.600, 209.998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

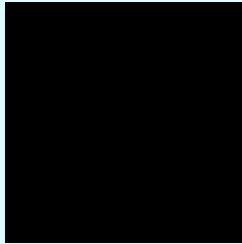
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 97, 10.600, 209.998

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 10.600, 209.998.

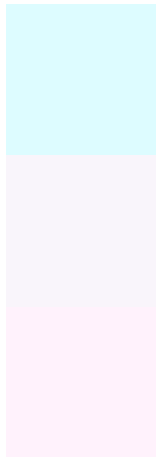


This preview shows how white text looks on a background with the CIELCh color 97, 10.600, 209.998.

# 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

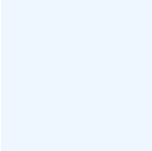


**Original Color**  
97, 10.539, 207.219

**Protanopia**  
97, 3.397, 314.709

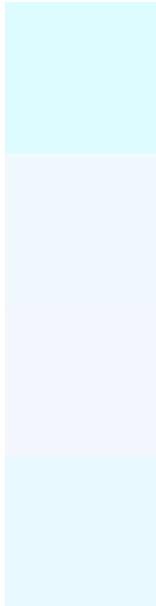
**Deuteranopia**  
97, 6.894, 331.898





**Tritanopia**  
97, 5.086, 253.088

# Trichromacy



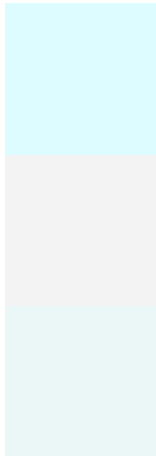
**Original Color**  
97, 10.539, 207.219

**Protanomaly**  
97, 3.695, 233.059

**Deuteranomaly**  
97, 3.719, 274.258

**Tritanomaly**  
97, 6.510, 227.355

# Monochromacy



**Original Color**  
97, 10.539, 207.219

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 3.844, 206.994

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 10.600, 209.998 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 252, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 10.600, 209.998 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, 252, 255) }
```

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

```
.border{ border-color:rgb(221, 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(221, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 10.600, 209.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 252, 255) }
```

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

```
.background{ background-color: rgb(221,  
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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