

# Converting Colors

CIE LCh(97, 4.359, 216.117)

Have a look what the booklet for  
CIELCh(97, 4.359, 216.117) contains.

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# Color

**CIELCh(97, 4.253, 213.226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF9FB
RGB	237, 249, 251
RGB Percent	93%, 98%, 98%
CMY	0.0719, 0.0248, 0.0170
CMYK	0.06, 0.01, 0.00, 0.02
HSL	189°, 62%, 96%
HSV	189°, 6%, 98%
XYZ	85.9505, 92.4403, 104.3069
YIQ	245.6400, -7.7940, -1.9220

# Conversions

## Conversions Part 2

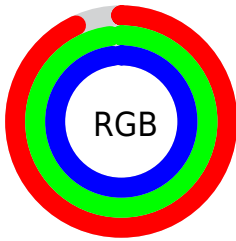
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 243, 251
Decimal	15596027
CIE Lab	97.00, -3.56, -2.33
CIE LCh	97, 4.253, 213.226
Yxy	92.4403, 0.3040, 0.3270
Android (android.graphics.Color)	4293786107 (0xFFEDF9FB)
YUV	245.6400, 2.6425, -7.5773
Hunter-Lab	96.1459, -8.6836, 2.9795

# Details

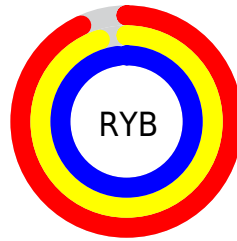
The CIELCh color  $97, 4.253, 213.226$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $95, 4.406, 32.931$ , and the grayscale version is  $97, 0.011, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $77, 4.443, 213.199$  is the 20% darker color. If you saturate the color by 10%, you get  $94, 11.552, 213.179$ , and if you desaturate by 10%, it is  $99, 1.242, 58.972$ .

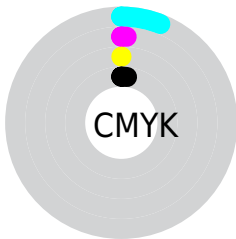
# Distribution



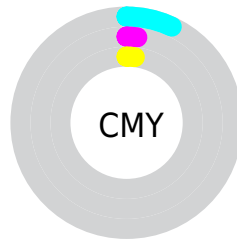
- Red (93%)
- Green (98%)
- Blue (98%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 4.253, 213.226 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, 4.253, 213.226 by changing the saturation by 10% instead.



 97, 4.253, 213.226

 97, 4.253, 213.226

 100, 4.253,  
213.226

 87, 4.253, 213.226

 77, 4.253, 213.226

 67, 4.253, 213.226

 57, 4.253, 213.226

 47, 4.253, 213.226

 37, 4.253, 213.226

 27, 4.253, 213.226

 17, 4.253, 213.226

 7, 4.253, 213.226

97, 4.253, 213.226

97, 4.253, 213.226

94, 11.552,  
213.179

99, 1.242, 58.972

92, 18.345,  
213.372

100, 2.184,  
109.979

90, 24.511,  
213.745

88, 29.923,  
214.333

86, 34.464,  
215.186

84, 38.043,  
216.361

82, 40.614,  
217.919

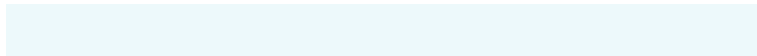
81, 42.201,  
219.924

■ 80, 42.916,  
222.422

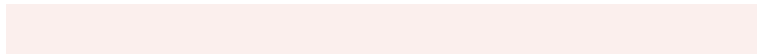
# Harmonies

# Complementary

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



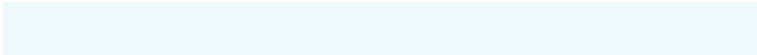
97, 4.253, 213.226



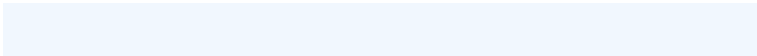
95, 4.406, 32.931

# Rectangle

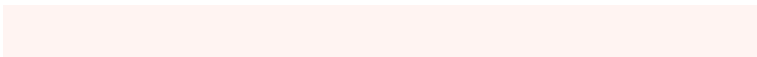
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 4.253, 213.226



97, 4.253, 263.226



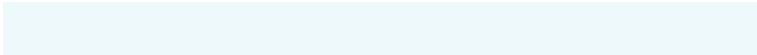
97, 4.253, 33.226



97, 4.253, 83.226

# Sweetspot

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



97, 4.254, 213.195



99, 1.559, 213.465



97, 7.959, 148.009



53, 0.887, 213.487



0, 0.000, 0.000



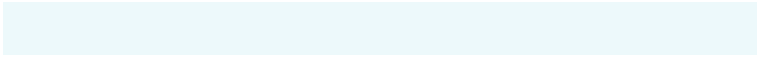
53, 0.007, 296.813



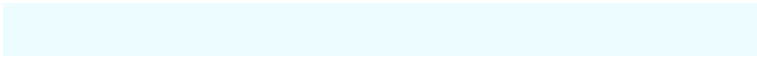


# Same Dimension

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



97, 4.254, 213.195



98, 5.388, 213.169



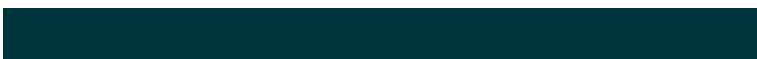
95, 4.860, 269.155



51, 3.438, 213.162



61, 34.812, 223.109



19, 15.857, 219.292



# Inverse Universe

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



95, 7.931, 328.892



96, 10.091, 328.986



97, 4.858, 87.601



50, 6.451, 329.024



43, 82.415, 334.871

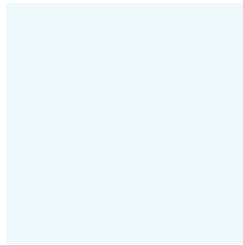


11, 37.811, 333.917



# Previews

## White Background



This preview shows how the CIELCh color 97, 4.253, 213.226 looks on a white background.

## Color Contrast Check

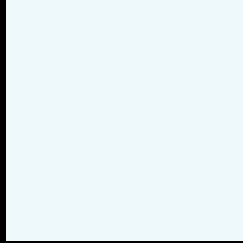
Large Text (above 18pt) WCAG AA × Fail

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, 4.253, 213.226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

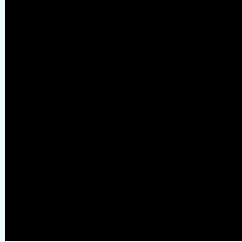
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

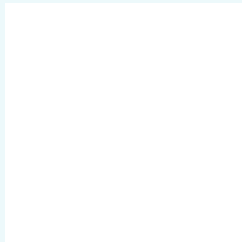
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 4.253, 213.226

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 4.253, 213.226.

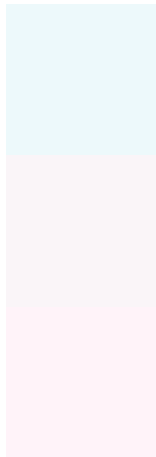


This preview shows how white text looks on a background with the CIELCh color 97, 4.253, 213.226.

# 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, 4.253, 213.226

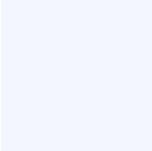
### Protanopia

97, 2.353, 338.595

### Deuteranopia

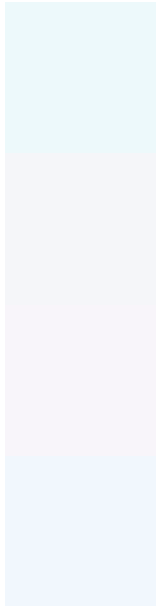
97, 5.253, 343.947





**Tritanopia**  
97, 4.708, 277.847

# Trichromacy



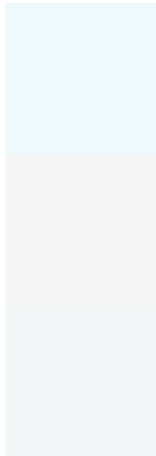
**Original Color**  
97, 4.253, 213.226

**Protanomaly**  
97, 1.578, 277.559

**Deuteranomaly**  
97, 2.786, 312.503

**Tritanomaly**  
97, 3.679, 256.135

# Monochromacy



**Original Color**  
97, 4.253, 213.226

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 1.483, 219.952

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 4.253, 213.226 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(237, 249, 251)` looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 251)  
}
```

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(237, 249, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 4.253, 213.226 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(237, 249, 251) }
```

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

```
.border{ border-color:rgb(237, 249, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 249, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 249, 251);  
box-shadow:4px 4px 4px 4px rgb(237, 249,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 4.253, 213.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 251) }
```

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

```
.background{ background-color: rgb(237,  
249, 251) }
```

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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