

# Converting Colors

CIE LCh(97, 4.118, 232.123)

Have a look what the booklet for  
CIELCh(97, 4.118, 232.123) contains.

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# **Color**

**CIELCh(97, 3.984, 230.308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF8FC
RGB	238, 248, 252
RGB Percent	93%, 97%, 99%
CMY	0.0662, 0.0270, 0.0113
CMYK	0.06, 0.02, 0.00, 0.01
HSL	197°, 71%, 96%
HSV	197°, 6%, 99%
XYZ	86.4920, 92.4403, 105.4782
YIQ	245.4660, -7.2440, -0.8760

# Conversions

## Conversions Part 2

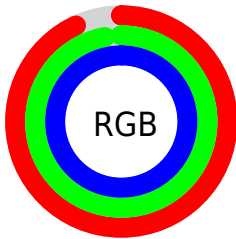
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 244, 252
Decimal	15661308
CIE Lab	97.00, -2.54, -3.07
CIE LCh	97, 3.984, 230.308
Yxy	92.4403, 0.3041, 0.3250
Android (android.graphics.Color)	4293851388 (0xFFEEF8FC)
YUV	245.4660, 3.2213, -6.5477
Hunter-Lab	96.1459, -7.6783, 2.2572

# Details

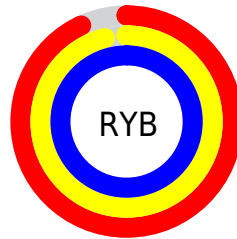
The CIELCh color `97, 3.984, 230.308` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `96, 4.101, 49.275`, and the grayscale version is `97, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `77, 3.930, 223.506` is the 20% darker color. If you saturate the color by 10%, you get `93, 10.907, 230.985`, and if you desaturate by 10%, it is `100, 1.449, 110.016`.

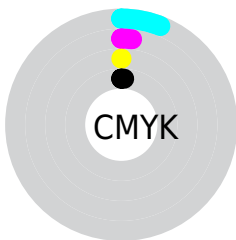
# Distribution



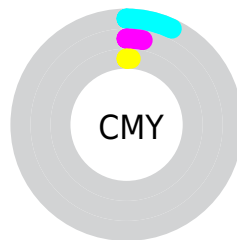
- Red (93%)
- Green (97%)
- Blue (99%)



- Red (93%)
- Yellow (96%)
- Blue (99%)



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



- Cyan (7%)
- Magenta (3%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 3.984, 230.308 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, 3.984, 230.308 by changing the saturation by 10% instead.



 97, 3.984, 230.308

 97, 3.984, 230.308

 100, 3.984,  
230.308

 87, 3.984, 230.308

 77, 3.984, 230.308

 67, 3.984, 230.308

 57, 3.984, 230.308

 47, 3.984, 230.308

 37, 3.984, 230.308

 27, 3.984, 230.308

 17, 3.984, 230.308

 7, 3.984, 230.308

97, 3.984, 230.308

97, 3.984, 230.308

93, 10.907,  
230.985

100, 1.449,  
110.016

90, 17.446,  
232.007

87, 23.511,  
233.338

84, 29.012,  
235.046

81, 33.870,  
237.218

78, 38.034,  
239.948

75, 41.511,  
243.326

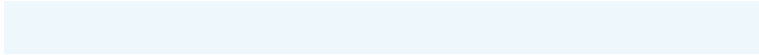
73, 44.381,  
247.410

■ 70, 46.821,  
252.174

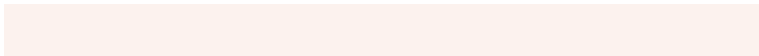
# Harmonies

# Complementary

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



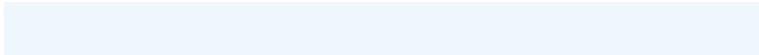
97, 3.984, 230.308



96, 4.101, 49.275

# Rectangle

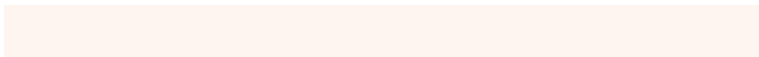
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 3.984, 230.308



97, 3.984, 280.308



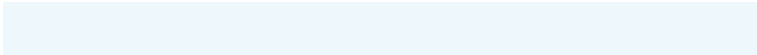
97, 3.984, 50.308



97, 3.984, 100.308

# Sweetspot

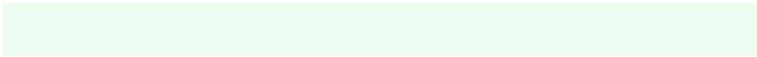
The Sweet Spot groups the original color and five complimentary colors.



97, 3.984, 230.273



99, 1.461, 230.300



98, 7.136, 153.298



53, 0.831, 230.315



0, 0.000, 0.000



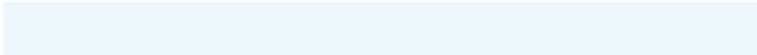
53, 0.007, 296.813



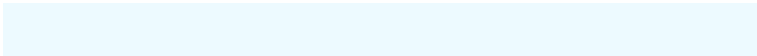


# Same Dimension

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



97, 3.984, 230.273



97, 5.052, 230.347



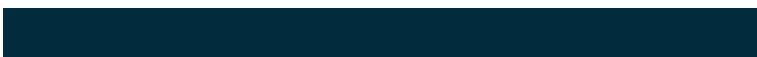
95, 5.716, 280.076



51, 3.224, 230.381



53, 38.216, 253.431



16, 16.504, 246.214



# Inverse Universe

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



95, 7.157, 334.023



96, 9.114, 334.133



98, 5.668, 98.711



50, 5.828, 334.177



42, 74.286, 343.854

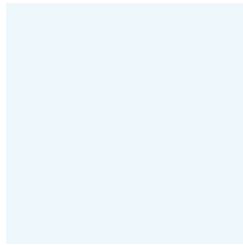


10, 34.442, 341.349



# Previews

## White Background



This preview shows how the CIELCh color 97, 3.984, 230.308 looks on a white background.

## Color Contrast Check

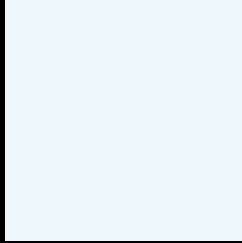
Large Text (above 18pt) WCAG AA × Fail

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, 3.984, 230.308 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

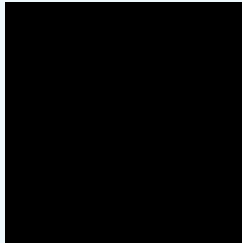
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

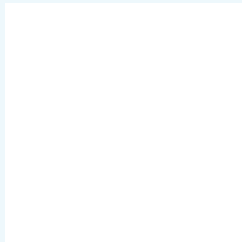
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 97, 3.984, 230.308**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 97, 3.984, 230.308.

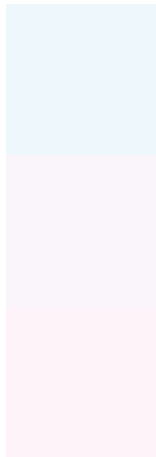


This preview shows how white text looks on a background with the CIELCh color 97, 3.984, 230.308.

# 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, 3.984, 230.308

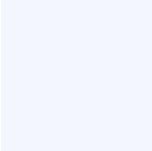
### Protanopia

97, 2.940, 318.817

### Deuteranopia

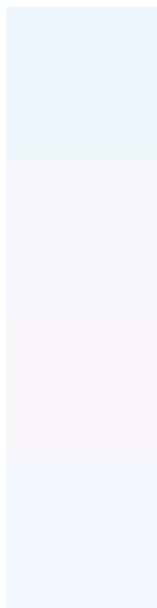
97, 5.567, 339.698





**Tritanopia**  
97, 4.650, 282.004

# Trichromacy



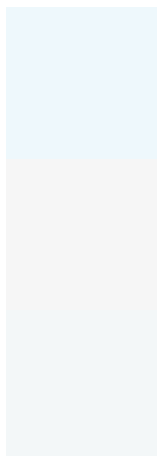
**Original Color**  
97, 3.984, 230.308

**Protanomaly**  
97, 2.584, 282.663

**Deuteranomaly**  
97, 3.397, 314.709

**Tritanomaly**  
97, 3.953, 264.577

# Monochromacy



**Original Color**  
97, 3.984, 230.308

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 1.482, 219.954

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 3.984, 230.308 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(238, 248, 252)` looks like.

```
.text, #text, p{  
    color:rgb(238, 248, 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(238, 248, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 248, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 3.984, 230.308 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(238, 248, 252) }
```

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

```
.border{ border-color:rgb(238, 248, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 248, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 248, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 248, 252);  
box-shadow:4px 4px 4px 4px rgb(238, 248,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 3.984, 230.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 248, 252) }
```

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

```
.background{ background-color: rgb(238,  
248, 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](#).

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