

# Converting Colors

CIELCh(97, 4.569, 252.595)

Have a look what the booklet for  
CIELCh(97, 4.569, 252.595) contains.

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# **Color**

**CIELCh(97, 4.691, 249.208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF8FF
RGB	239, 248, 255
RGB Percent	94%, 97%, 100%
CMY	0.0639, 0.0286, 0.0012
CMYK	0.06, 0.03, 0.00, 0.00
HSL	206°, 96%, 97%
HSV	206°, 6%, 100%
XYZ	86.9637, 92.4403, 107.6028
YIQ	246.1070, -7.6110, 0.2690

# Conversions

## Conversions Part 2

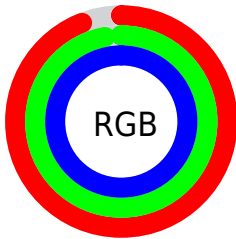
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 245, 255
Decimal	15726847
CIE <sub>Lab</sub>	97.00, -1.67, -4.39
CIE <sub>LCh</sub>	97, 4.691, 249.208
Yxy	92.4403, 0.3030, 0.3221
Android (android.graphics.Color)	4293916927 (0xFFEFF8FF)
YUV	246.1070, 4.3842, -6.2328
Hunter-Lab	96.1459, -6.8026, 0.9470

# Details

The CIELCh color **97, 4.691, 249.208** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97, 4.781, 67.526**, 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, 4.522, 244.814** is the 20% darker color. If you saturate the color by 10%, you get **92, 12.024, 250.488**, and if you desaturate by 10%, it is **100, 0.147, 109.640**.

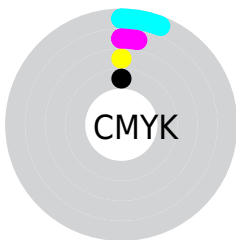
# Distribution



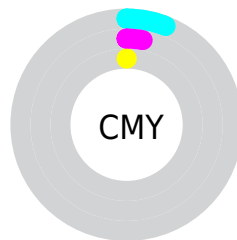
- Red (94%)
- Green (97%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 4.691, 249.208 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, 4.691, 249.208 by changing the saturation by 10% instead.



 97, 4.691, 249.208

 97, 4.691, 249.208

 100, 4.691,  
249.208

 87, 4.691, 249.208

 77, 4.691, 249.208

 67, 4.691, 249.208

 57, 4.691, 249.208

 47, 4.691, 249.208

 37, 4.691, 249.208

 27, 4.691, 249.208

 17, 4.691, 249.208

 7, 4.691, 249.208

97, 4.691, 249.208

97, 4.691, 249.208

92, 12.024,  
250.488

100, 0.147,  
109.640

88, 19.167,  
252.129

84, 26.071,  
254.125

79, 32.698,  
256.543

75, 39.027,  
259.454

71, 45.071,  
262.916

67, 50.896,  
266.951

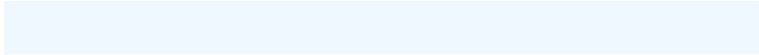
64, 56.623,  
271.505

■ 60, 62.417,  
276.420

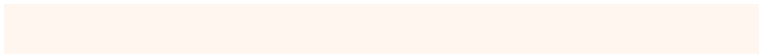
# Harmonies

# Complementary

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



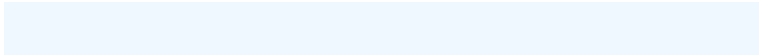
97, 4.691, 249.208



97, 4.781, 67.526

# Rectangle

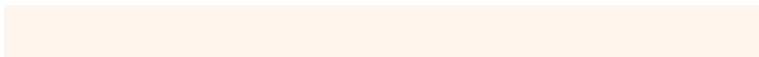
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 4.691, 249.208



97, 4.691, 299.208



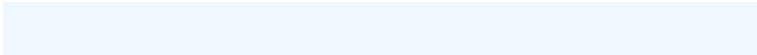
97, 4.691, 69.208



97, 4.691, 119.208

# Sweetspot

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



97, 4.690, 249.180



99, 1.506, 248.890



99, 7.291, 159.796



53, 0.856, 248.896



0, 0.000, 0.000



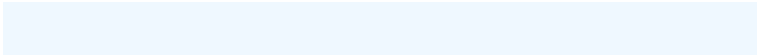
53, 0.007, 296.813





# Same Dimension

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



97, 4.690, 249.180



96, 5.969, 249.375



95, 7.679, 288.046



51, 4.235, 249.559



45, 51.310, 277.313



13, 21.212, 270.310



# Inverse Universe

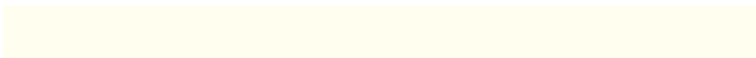
The Inverse Universe completely reimagines the original color for something new.



96, 7.327, 340.848



95, 9.359, 341.001



99, 7.570, 106.711



50, 6.662, 341.132



42, 69.335, 356.275

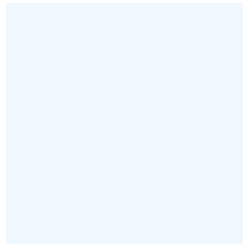


11, 32.597, 351.668



# Previews

## White Background



This preview shows how the CIE LCh color 97, 4.691, 249.208 looks on a white background.

## Color Contrast Check

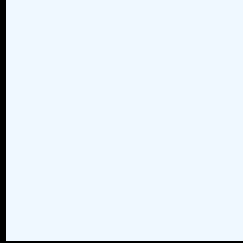
Large Text (above 18pt) WCAG AA × Fail

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, 4.691, 249.208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

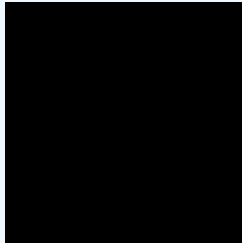
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

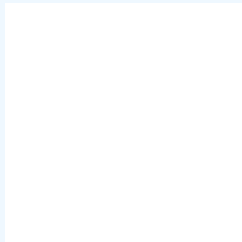
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 4.691, 249.208

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 4.691, 249.208.

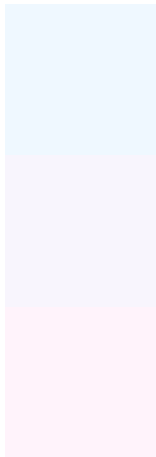


This preview shows how white text looks on a background with the CIELCh color 97, 4.691, 249.208.

# 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, 4.691, 249.208

### Protanopia

97, 4.246, 304.728

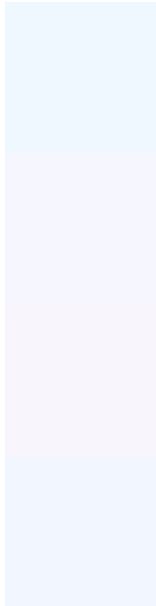
### Deuteranopia

97, 5.909, 335.926



**Tritanopia**  
97, 4.650, 282.004

# Trichromacy



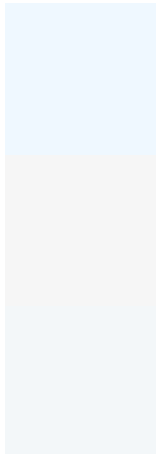
**Original Color**  
97, 4.691, 249.208

**Protanomaly**  
97, 4.108, 285.673

**Deuteranomaly**  
97, 3.868, 311.597

**Tritanomaly**  
97, 4.417, 267.541

# Monochromacy



**Original Color**  
97, 4.691, 249.208

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 1.721, 236.228

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 4.691, 249.208 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(239, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 248, 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(239, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 248, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 4.691, 249.208 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(239, 248, 255) }
```

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

```
.border{ border-color:rgb(239, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 248, 255); box-shadow:4px 4px 4px 4px rgb(239, 248, 255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 4.691, 249.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 248, 255) }
```

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

```
.background{ background-color: rgb(239,  
248, 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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