

# Converting Colors

CIELCh(100, 17.075, 13.672)

Have a look what the booklet for  
CIELCh(100, 17.075, 13.672)  
contains.

<b>CIELCh(97, 4.408, 351.974)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(97, 4.408, 351.974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4F8
RGB	255, 244, 248
RGB Percent	100%, 96%, 97%
CMY	0.0014, 0.0445, 0.0288
CMYK	0.00, 0.04, 0.03, 0.00
HSL	338°, 94%, 98%
HSV	338°, 4%, 100%
XYZ	90.2451, 92.4403, 101.6087
YIQ	247.7450, 5.2720, 3.5760

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 244, 248
Decimal	16774392
CIE <sub>Lab</sub>	97.00, 4.36, -0.62
CIE <sub>LCh</sub>	97, 4.408, 351.974
Yxy	92.4403, 0.3174, 0.3252
Android (android.graphics.Color)	4294964472 (0xFFFFF4F8)
YUV	247.7450, 0.1257, 6.3626
Hunter-Lab	96.1459, -0.7105, 4.6434

# Details

The CIELCh color **97, 4.408, 351.974** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **99, 4.352, 171.455**, 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, 4.301, 349.759** is the 20% darker color. If you saturate the color by 10%, you get **90, 14.863, 353.070**, and if you desaturate by 10%, it is **100, 0.122, 204.856**.

# Distribution



Red (100%)

Green (96%)

Blue (97%)



Red (100%)

Yellow (96%)

Blue (97%)



Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (3%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 4.408, 351.974 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, 4.408, 351.974 by changing the saturation by 10% instead.



 97, 4.408, 351.974

 97, 4.408, 351.974

 100, 4.408,  
351.974

 87, 4.408, 351.974

 77, 4.408, 351.974

 67, 4.408, 351.974

 57, 4.408, 351.974

 47, 4.408, 351.974

 37, 4.408, 351.974

 27, 4.408, 351.974

 17, 4.408, 351.974

 7, 4.408, 351.974

97, 4.408, 351.974

97, 4.408, 351.974

90, 14.863,  
353.070

100, 0.122,  
204.856

84, 25.619,  
354.223

78, 36.512,  
355.559

72, 47.278,  
357.148

67, 57.525,  
359.086

62, 66.750, 1.503

59, 74.423, 4.568

56, 80.178, 8.464

55, 84.056, 13.319



# Harmonies

# Complementary

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



97, 4.408, 351.974



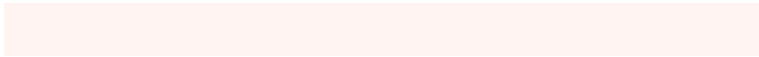
99, 4.352, 171.455

# Rectangle

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



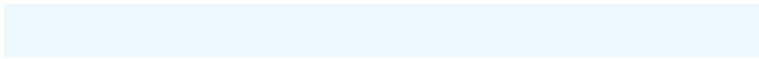
97, 4.408, 351.974



97, 4.408, 41.974



97, 4.408, 171.974



97, 4.408, 221.974

# Sweetspot

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



97, 4.406, 351.990



99, 1.020, 351.275



97, 6.160, 313.733



53, 0.580, 351.243



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

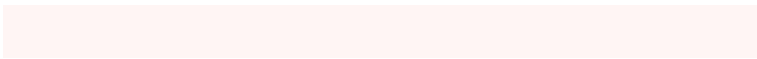
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 4.406, 351.990



97, 5.115, 352.071



97, 3.456, 31.906



51, 3.494, 352.150



40, 68.932, 15.344



10, 31.290, 7.901



# Inverse Universe

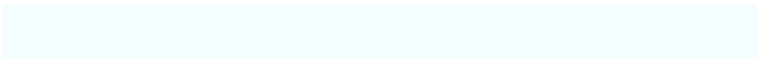
The Inverse Universe completely reimagines the original color for something new.



97, 4.406, 351.990



97, 5.115, 352.071



99, 3.364, 212.229



51, 3.494, 352.150



40, 68.932, 15.344

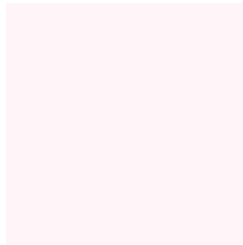


10, 31.290, 7.901



# Previews

## White Background



This preview shows how the CIELCh color 97, 4.408, 351.974 looks on a white background.

## Color Contrast Check

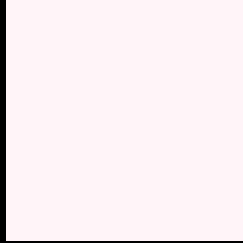
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 97, 4.408, 351.974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

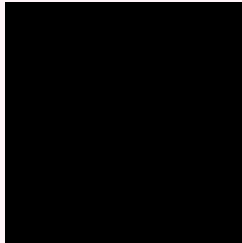
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 97, 4.408, 351.974

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 4.408, 351.974.



This preview shows how white text looks on a background with the CIELCh color 97, 4.408, 351.974.

# 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, 4.408, 351.974

**Protanopia**

97, 2.353, 338.595

**Deuteranopia**

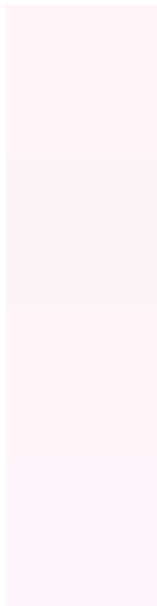
97, 4.195, 358.142





**Tritanopia**  
97, 6.481, 319.507

# Trichromacy



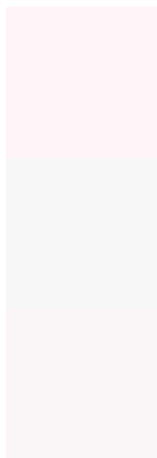
**Original Color**  
97, 4.408, 351.974

**Protanomaly**  
97, 2.922, 347.755

**Deuteranomaly**  
97, 4.195, 358.142

**Tritanomaly**  
97, 5.422, 330.705

# Monochromacy



**Original Color**  
97, 4.408, 351.974

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 1.508, 359.278

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 4.408, 351.974 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(255, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 248)  
}
```

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(255, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 248) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 4.408, 351.974 is called "border". The border property can be set on classes, ids or directly on the HTML element.

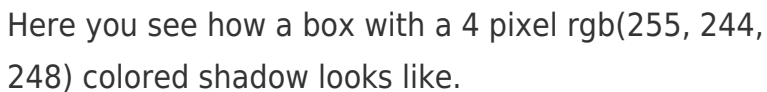
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 244, 248) }
```

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

```
.border{ border-color:rgb(255, 244, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 244, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 244, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 244, 248); box-shadow:4px 4px 4px 4px rgb(255, 244, 248) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 4.408, 351.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 248) }
```

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

```
.background{ background-color: rgb(255,  
244, 248) }
```

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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