

# Converting Colors

CIELCh(97, 4.646, 38.621)

Have a look what the booklet for  
CIELCh(97, 4.646, 38.621) contains.

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# Color

**CIELCh(97, 4.197, 40.844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4F1
RGB	255, 244, 241
RGB Percent	100%, 96%, 95%
CMY	0.0000, 0.0425, 0.0543
CMYK	0.00, 0.04, 0.05, 0.00
HSL	13°, 100%, 97%
HSV	13°, 5%, 100%
XYZ	89.5912, 92.4403, 96.4573
YIQ	246.9470, 7.5190, 1.3990

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 245, 241
Decimal	16774385
CIE Lab	97.00, 3.18, 2.74
CIE LCh	97, 4.197, 40.844
Yxy	92.4403, 0.3217, 0.3319
Android (android.graphics.Color)	4294964465 (0xFFFFF4F1)
YUV	246.9470, -2.9319, 7.0625
Hunter-Lab	96.1459, -1.9245, 7.8201

# Details

The CIELCh color **97, 4.197, 40.844** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98, 4.015, 221.807**, 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, 4.072, 42.749** is the 20% darker color. If you saturate the color by 10%, you get **92, 12.274, 41.033**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

# Distribution



Red (100%)

Green (96%)

Blue (95%)



Red (100%)

Yellow (96%)

Blue (95%)



Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 4.197, 40.844 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, 4.197, 40.844 by changing the saturation by 10% instead.



 97, 4.197, 40.844	 97, 4.197, 40.844
 100, 4.197, 40.844	 87, 4.197, 40.844
	 77, 4.197, 40.844
	 67, 4.197, 40.844
	 57, 4.197, 40.844
	 47, 4.197, 40.844
	 37, 4.197, 40.844
	 27, 4.197, 40.844
	 17, 4.197, 40.844
	 7, 4.197, 40.844

97, 4.197, 40.844

97, 4.197, 40.844

92, 12.274, 41.033

100, 0.012,  
296.813

86, 21.091, 40.942

81, 30.647, 40.982

76, 40.961, 41.196

71, 51.998, 41.617

67, 63.623, 42.254

63, 75.495, 43.043

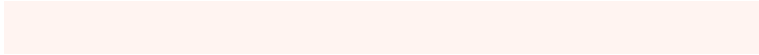
60, 86.830, 43.740

57, 95.963, 43.744

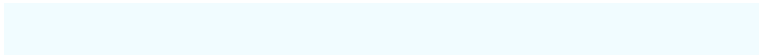
# Harmonies

# Complementary

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



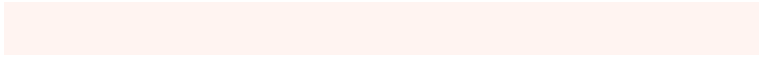
97, 4.197, 40.844



98, 4.015, 221.807

# Rectangle

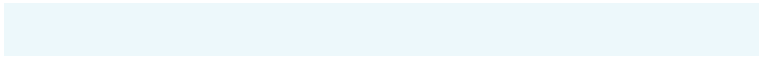
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 4.197, 40.844



97, 4.197, 90.844



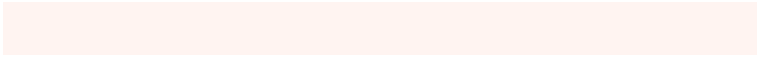
97, 4.197, 220.844



97, 4.197, 270.844

# Sweetspot

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



97, 4.145, 41.153



99, 1.504, 40.976



97, 7.420, 331.410



53, 0.855, 40.956



0, 0.000, 0.000

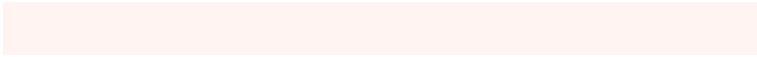


53, 0.007, 296.813

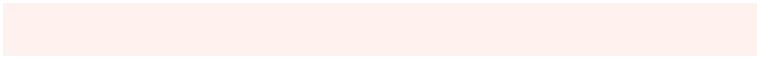


# Same Dimension

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



97, 4.145, 41.153



96, 5.378, 41.148



99, 5.213, 94.215



51, 3.503, 41.142



42, 79.411, 43.985



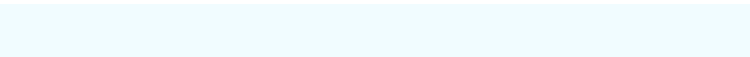
12, 29.731, 38.169



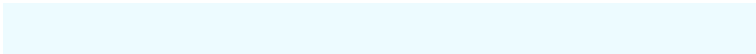


# Inverse Universe

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



98, 4.015, 221.807



98, 5.155, 221.834



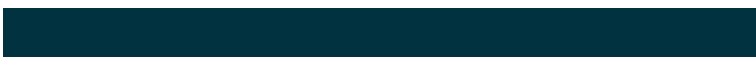
97, 5.241, 275.640



52, 3.345, 221.849



58, 35.766, 239.361

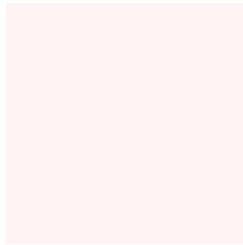


19, 16.219, 233.675



# Previews

## White Background



This preview shows how the CIELCh color 97, 4.197, 40.844 looks on a white background.

## Color Contrast Check

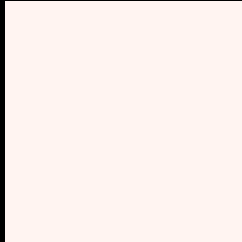
Large Text (above 18pt) WCAG AA × Fail

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, 4.197, 40.844 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

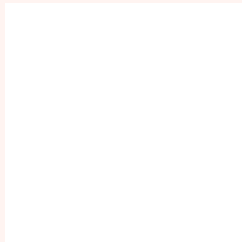
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 97, 4.197, 40.844**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 97, 4.197, 40.844.



This preview shows how white text looks on a background with the CIELCh color 97, 4.197, 40.844.

# 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, 4.197, 40.844

### Protanopia

97, 2.903, 51.088

### Deuteranopia

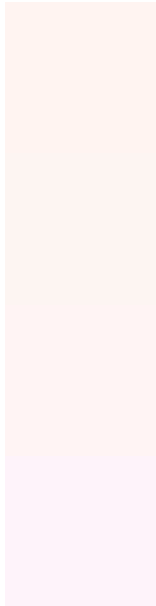
97, 3.938, 12.069



**Tritanopia**  
97, 7.103, 319.977



# Trichromacy



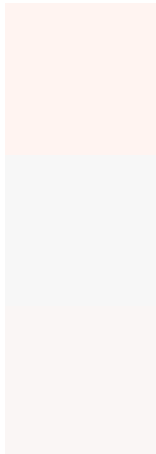
**Original Color**  
97, 4.197, 40.844

**Protanomaly**  
97, 3.214, 47.762

**Deuteranomaly**  
97, 3.905, 19.499

**Tritanomaly**  
97, 5.303, 337.211

# Monochromacy



**Original Color**  
97, 4.197, 40.844

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 1.493, 39.006

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 4.197, 40.844 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 241) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 4.197, 40.844 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, 241) }
```

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

```
.border{ border-color:rgb(255, 244, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
241) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 4.197, 40.844 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
244, 241) }
```

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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