

# Converting Colors

CIELCh(97, 7.659, 64.437)

Have a look what the booklet for  
CIELCh(97, 7.659, 64.437) contains.

<b>CIELCh(97, 6.852, 74.297)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(97, 6.852, 74.297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5EA
RGB	255, 245, 234
RGB Percent	100%, 96%, 92%
CMY	0.0000, 0.0404, 0.0835
CMYK	0.00, 0.04, 0.08, 0.00
HSL	31°, 100%, 96%
HSV	31°, 8%, 100%
XYZ	88.8692, 92.4403, 90.7707
YIQ	246.7360, 9.4910, -1.3010

# Conversions

## Conversions Part 2

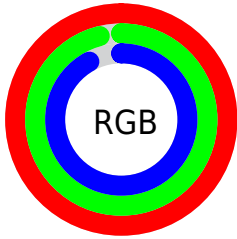
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 255, 234
Decimal	16774634
CIE <sub>Lab</sub>	97.00, 1.85, 6.60
CIE <sub>LCh</sub>	97, 6.852, 74.297
Yxy	92.4403, 0.3266, 0.3398
Android (android.graphics.Color)	4294964714 (0xFFFFF5EA)
YUV	246.7360, -6.2788, 7.2475
Hunter-Lab	96.1459, -3.2649, 11.3268

# Details

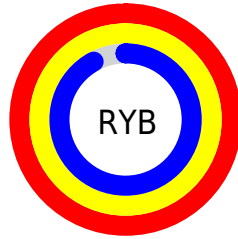
The CIELCh color **97, 6.852, 74.297** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **96, 6.596, 258.380**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 6.794, 79.322** is the 20% darker color. If you saturate the color by 10%, you get **93, 15.073, 74.878**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

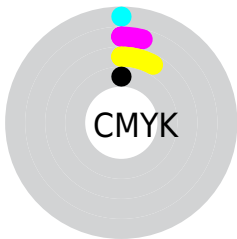
# Distribution



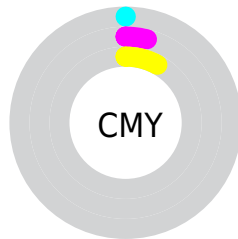
- Red (100%)
- Green (96%)
- Blue (92%)



- Red (99%)
- Yellow (100%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 6.852, 74.297 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, 6.852, 74.297 by changing the saturation by 10% instead.



 97, 6.852, 74.297	 97, 6.852, 74.297
 100, 6.852, 74.297	 87, 6.852, 74.297
	 77, 6.852, 74.297
	 67, 6.852, 74.297
	 57, 6.852, 74.297
	 47, 6.852, 74.297
	 37, 6.852, 74.297
	 27, 6.852, 74.297
	 17, 6.852, 74.297
	 7, 6.852, 74.297

97, 6.852, 74.297

97, 6.852, 74.297

93, 15.073, 74.878

100, 0.012,  
296.813

90, 23.815, 73.595

86, 32.942, 72.289

83, 42.427, 70.963

80, 52.166, 69.603

77, 61.914, 68.162

74, 71.156, 66.526

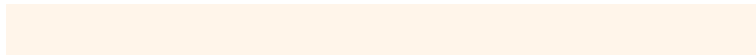
71, 78.960, 64.464

68, 84.233, 61.663

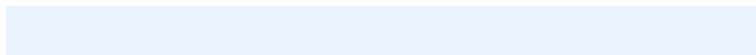
# Harmonies

# Complementary

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



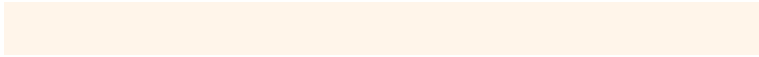
97, 6.852, 74.297



96, 6.596, 258.380

# Rectangle

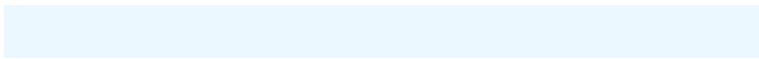
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 6.852, 74.297



97, 6.852, 124.297



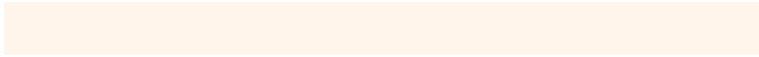
97, 6.852, 254.297



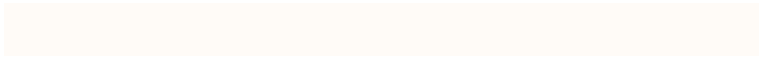
97, 6.852, 304.297

# Sweetspot

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



97, 6.708, 76.114



99, 2.376, 76.668



95, 9.262, 345.218



53, 1.805, 76.606



0, 0.000, 0.000

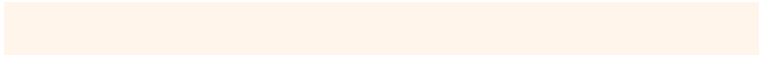


53, 0.007, 296.813

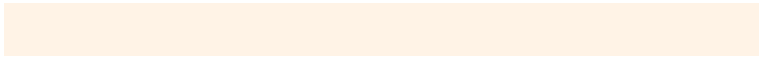


# Same Dimension

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



97, 6.708, 76.114



96, 8.059, 75.917



99, 10.786, 110.041



51, 4.577, 75.977



52, 68.236, 61.895



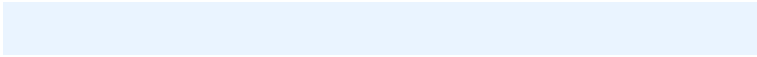
16, 27.013, 63.510



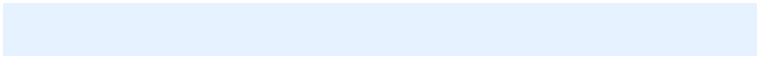


# Inverse Universe

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



96, 6.596, 258.380



95, 7.890, 258.605



93, 11.004, 291.677



50, 4.487, 258.536



40, 60.295, 285.791

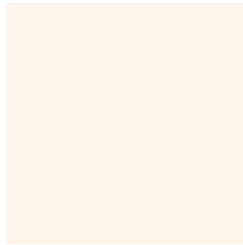


12, 24.464, 279.371



# Previews

## White Background



This preview shows how the CIELCh color 97, 6.852, 74.297 looks on a white background.

## Color Contrast Check

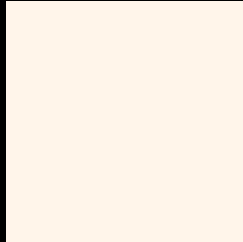
Large Text (above 18pt) WCAG AA × Fail

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, 6.852, 74.297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

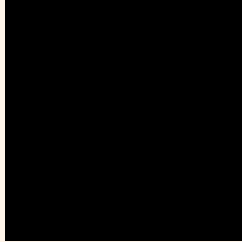
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 97, 6.852, 74.297

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 6.852, 74.297.

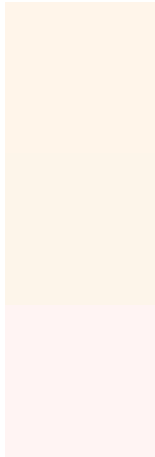


This preview shows how white text looks on a background with the CIELCh color 97, 6.852, 74.297.

# 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, 6.644, 76.862

### Protanopia

97, 6.283, 82.444

### Deuteranopia

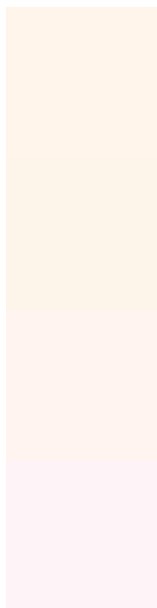
97, 3.939, 26.928



**Tritanopia**  
97, 7.283, 322.376



# Trichromacy



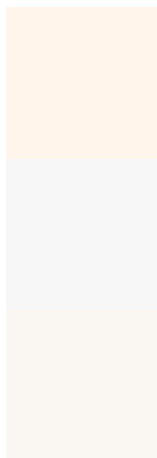
**Original Color**  
97, 6.644, 76.862

**Protanomaly**  
97, 6.455, 79.576

**Deuteranomaly**  
97, 4.410, 47.004

**Tritanomaly**  
97, 3.867, 356.178

# Monochromacy



**Original Color**  
97, 6.644, 76.862

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.465, 74.854

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 6.852, 74.297 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, 245, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 234)  
}
```

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, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 234) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 6.852, 74.297 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, 245, 234) }
```

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

```
.border{ border-color:rgb(255, 245, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
234) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 6.852, 74.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 234) }
```

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

```
.background{ background-color: rgb(255,  
245, 234) }
```

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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