

# Converting Colors

CIELCh(97, 10.480, 86.734)

Have a look what the booklet for  
CIELCh(97, 10.480, 86.734) contains.

<b>CIELCh(97, 10.331, 88.730)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# **Color**

**CIELCh(97, 10.331, 88.730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5E2
RGB	255, 245, 226
RGB Percent	100%, 96%, 89%
CMY	0.0000, 0.0374, 0.1120
CMYK	0.00, 0.04, 0.11, 0.00
HSL	40°, 100%, 94%
HSV	40°, 11%, 100%
XYZ	87.9857, 92.4403, 85.4777
YIQ	245.8240, 12.0590, -3.7890

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 255, 226
Decimal	16774626
CIE Lab	97.00, 0.23, 10.33
CIE LCh	97, 10.331, 88.730
Yxy	92.4403, 0.3309, 0.3476
Android (android.graphics.Color)	4294964706 (0xFFFFF5E2)
YUV	245.8240, -9.7732, 8.0474
Hunter-Lab	96.1459, -4.9051, 14.5908

# Details

The CIELCh color **97, 10.331, 88.730** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 10.262, 272.582**, 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, 10.225, 89.407** is the 20% darker color. If you saturate the color by 10%, you get **94, 19.670, 88.329**, and if you desaturate by 10%, it is **100, 1.077, 90.639**.

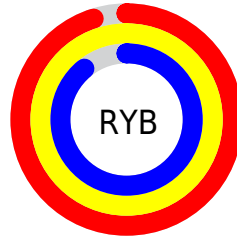
# Distribution



Red (100%)

Green (96%)

Blue (89%)



Red (95%)

Yellow (100%)

Blue (89%)



Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (11%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 10.331, 88.730 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, 10.331, 88.730 by changing the saturation by 10% instead.



 97, 10.331, 88.730

 97, 10.331, 88.730

 100, 10.331,  
88.730

 87, 10.331, 88.730

 77, 10.331, 88.730

 67, 10.331, 88.730

 57, 10.331, 88.730

 47, 10.331, 88.730

 37, 10.331, 88.730

 27, 10.331, 88.730

 17, 10.331, 88.730

 7, 10.331, 88.730

97, 10.331, 88.730

97, 10.331, 88.730

94, 19.670, 88.329

100, 1.077, 90.639

92, 29.246, 86.987

100, 0.012,  
296.813

89, 38.953, 85.602

87, 48.680, 84.173

84, 58.205, 82.685

82, 67.117, 81.096

80, 74.717, 79.318

78, 80.039, 77.192

76, 82.508, 74.936

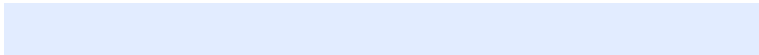
# Harmonies

# Complementary

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



97, 10.331, 88.730



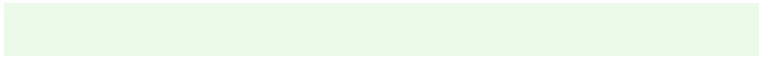
93, 10.262, 272.582

# Rectangle

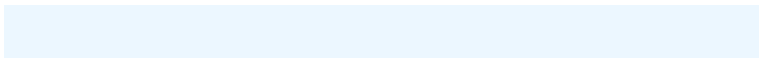
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 10.331, 88.730



97, 10.331, 138.730



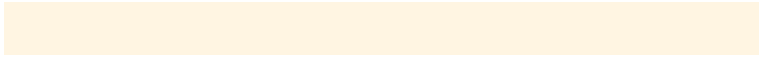
97, 10.331, 268.730



97, 10.331, 318.730

# Sweetspot

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



97, 10.275, 89.621



99, 2.721, 90.578



93, 11.491, 353.613



53, 2.066, 90.501



0, 0.000, 0.000



53, 0.007, 296.813

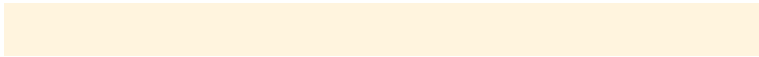


# Same Dimension

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



97, 10.275, 89.621



96, 11.954, 89.393



99, 14.549, 115.221



52, 5.207, 89.832



58, 66.472, 75.486



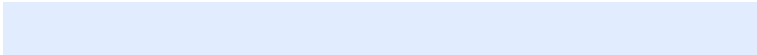
19, 28.083, 78.254





# Inverse Universe

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



93, 10.262, 272.582



92, 11.930, 272.845



91, 14.918, 296.957



50, 5.205, 272.344



33, 78.877, 296.641

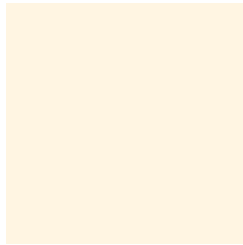


8, 31.640, 291.496



# Previews

## White Background



This preview shows how the CIELCh color 97, 10.331, 88.730 looks on a white background.

## Color Contrast Check

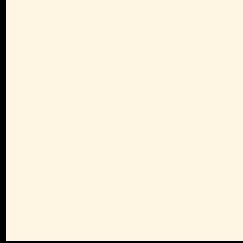
Large Text (above 18pt) WCAG AA × Fail

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, 10.331, 88.730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

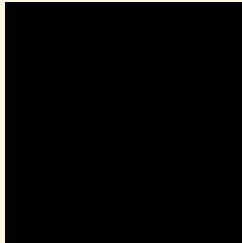
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 97, 10.331, 88.730**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 97, 10.331, 88.730.

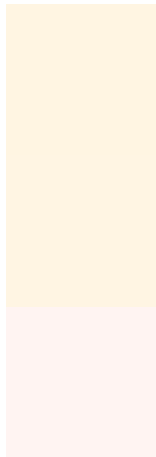


This preview shows how white text looks on a background with the CIELCh color 97, 10.331, 88.730.

# 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, 10.331, 88.730

### Protanopia

97, 9.853, 87.751

### Deuteranopia

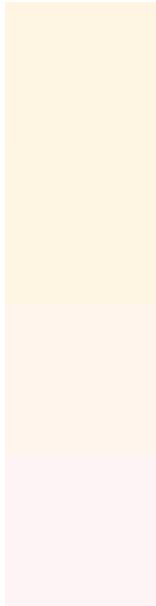
97, 4.038, 34.110



**Tritanopia**  
97, 7.476, 324.660



# Trichromacy



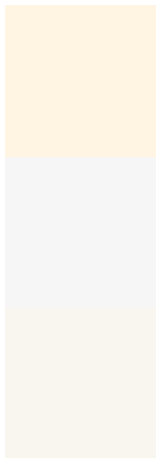
**Original Color**  
97, 10.331, 88.730

**Protanomaly**  
97, 9.853, 87.751

**Deuteranomaly**  
97, 5.805, 71.549

**Tritanomaly**  
97, 3.938, 12.069

# Monochromacy



**Original Color**  
97, 10.331, 88.730

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 3.708, 93.141

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 10.331, 88.730 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 10.331, 88.730 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, 226) }
```

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

```
.border{ border-color:rgb(255, 245, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 10.331, 88.730 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
245, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor