

Converting Colors

CIELCh(97, 8.778, 71.101)

Have a look what the booklet for
CIELCh(97, 8.778, 71.101) contains.

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Color

CIELCh(97, 8.160, 80.330)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5E7
RGB	255, 245, 231
RGB Percent	100%, 96%, 91%
CMY	0.0000, 0.0396, 0.0945
CMYK	0.00, 0.04, 0.09, 0.00
HSL	35°, 100%, 95%
HSV	35°, 9%, 100%
XYZ	88.6056, 92.4403, 88.6923
YIQ	246.3940, 10.4540, -2.2340

Conversions

Conversions Part 2

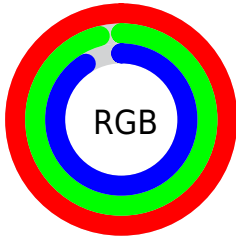
Format	Color
R_{YB}	248, 255, 231
Decimal	16774631
CIE _{Lab}	97.00, 1.37, 8.04
CIE _{LCh}	97, 8.160, 80.330
Yxy	92.4403, 0.3285, 0.3427
Android (android.graphics.Color)	4294964711 (0xFFFFF5E7)
YUV	246.3940, -7.5892, 7.5475
Hunter-Lab	96.1459, -3.7543, 12.6085

Details

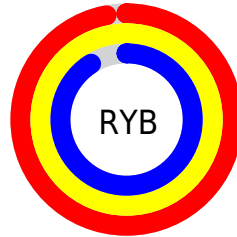
The CIELCh color **97, 8.160, 80.330** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 7.921, 265.005**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 8.231, 84.708** is the 20% darker color. If you saturate the color by 10%, you get **94, 16.759, 81.136**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

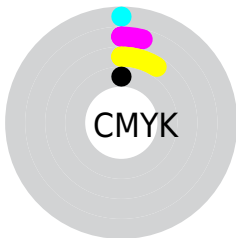
Distribution



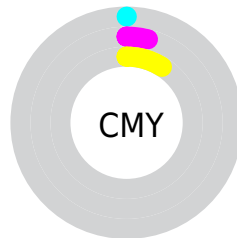
- Red (100%)
- Green (96%)
- Blue (91%)



- Red (97%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (0%)















- Cyan (0%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 8.160, 80.330 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, 8.160, 80.330 by changing the saturation by 10% instead.

 97, 8.160, 80.330	 97, 8.160, 80.330
 100, 8.160, 80.330	 87, 8.160, 80.330
	 77, 8.160, 80.330
	 67, 8.160, 80.330
	 57, 8.160, 80.330
	 47, 8.160, 80.330
	 37, 8.160, 80.330
	 27, 8.160, 80.330
	 17, 8.160, 80.330
	 7, 8.160, 80.330

97, 8.160, 80.330

97, 8.160, 80.330

94, 16.759, 81.136

100, 0.012,
296.813

91, 25.808, 79.791

88, 35.135, 78.408

85, 44.680, 76.987

82, 54.295, 75.510

79, 63.667, 73.930

76, 72.199, 72.138

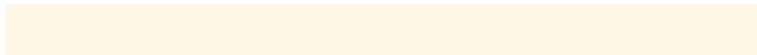
74, 78.924, 69.928

71, 83.037, 67.080

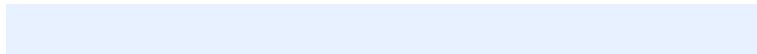
Harmonies

Complementary

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



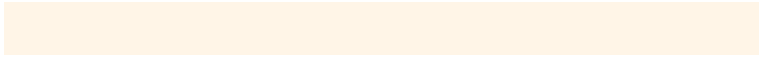
97, 8.160, 80.330



95, 7.921, 265.005

Rectangle

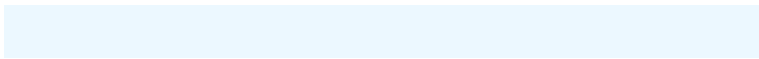
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 8.160, 80.330



97, 8.160, 130.330



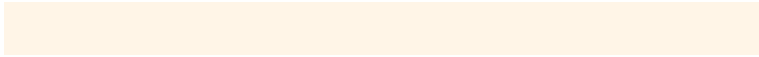
97, 8.160, 260.330



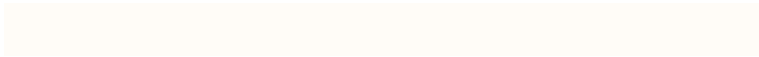
97, 8.160, 310.330

Sweetspot

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



97, 8.005, 82.429



99, 2.507, 83.157



94, 10.163, 348.204



53, 1.904, 83.086



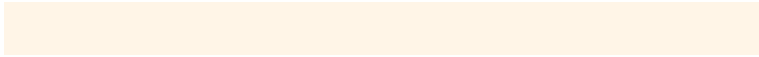
0, 0.000, 0.000



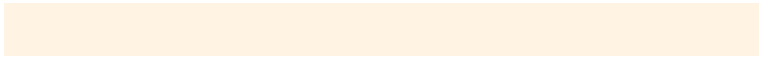
53, 0.007, 296.813

Same Dimension

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



97, 8.005, 82.429



96, 9.339, 82.234



99, 12.222, 111.980



52, 4.814, 82.422



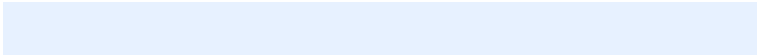
55, 66.936, 67.586



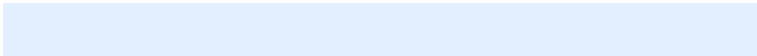
17, 27.247, 70.001

Inverse Universe

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



95, 7.921, 265.005



94, 9.217, 265.226



92, 12.497, 293.678



50, 4.763, 265.012



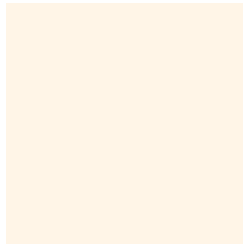
37, 68.217, 291.167



10, 27.445, 285.289

Previews

White Background



This preview shows how the CIELCh color 97, 8.160, 80.330 looks on a white background.

Color Contrast Check

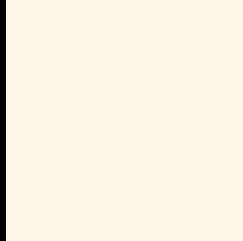
Large Text (above 18pt) WCAG AA × Fail

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, 8.160, 80.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

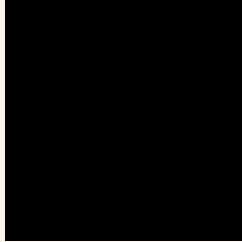
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

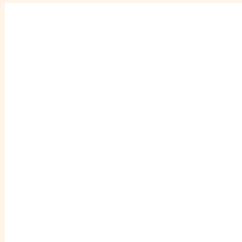
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 8.160, 80.330

Background



This preview shows how black text looks on a background with the CIELCh color 97, 8.160, 80.330.

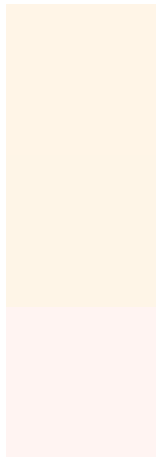


This preview shows how white text looks on a background with the CIELCh color 97, 8.160, 80.330.

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, 7.982, 82.625

Protanopia

97, 7.824, 85.010

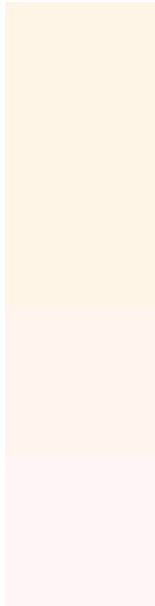
Deuteranopia

97, 4.038, 34.110



Tritanopia
97, 7.476, 324.660

Trichromacy



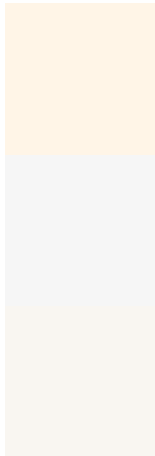
Original Color
97, 7.982, 82.625

Protanomaly
97, 7.824, 85.010

Deuteranomaly
97, 4.969, 57.434

Tritanomaly
97, 4.037, 4.883

Monochromacy



Original Color
97, 7.982, 82.625

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 2.745, 87.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 8.160, 80.330 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 8.160, 80.330 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, 231) }
```

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

```
.border{ border-color:rgb(255, 245, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 8.160, 80.330 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, 231) }
```

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

```
.background{ background-color: rgb(255,  
245, 231) }
```

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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