

Converting Colors

CIELCh(98, 13.816, 65.503)

Have a look what the booklet for
CIELCh(98, 13.816, 65.503) contains.

CIELCh(97, 10.812, 89.619)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(97, 10.812, 89.619)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6E2
RGB	255, 246, 226
RGB Percent	100%, 96%, 89%
CMY	0.0000, 0.0372, 0.1156
CMYK	0.00, 0.04, 0.12, 0.00
HSL	41°, 100%, 94%
HSV	41°, 12%, 100%
XYZ	87.9006, 92.4403, 84.8078
YIQ	246.4110, 11.7840, -4.3120

Conversions

Conversions Part 2

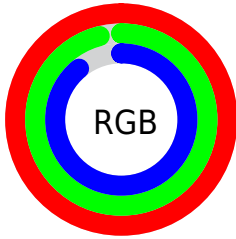
Format	Color
R _Y B	239, 255, 226
Decimal	16774882
CIE Lab	97.00, 0.07, 10.81
CIE LCh	97, 10.812, 89.619
Yxy	92.4403, 0.3315, 0.3486
Android (android.graphics.Color)	4294964962 (0xFFFFF6E2)
YUV	246.4110, -10.0626, 7.5326
Hunter-Lab	96.1459, -5.0630, 15.0040

Details

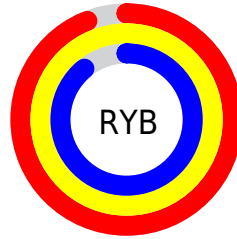
The CIELCh color **97, 10.812, 89.619** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 10.754, 273.636**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 10.602, 92.293** is the 20% darker color. If you saturate the color by 10%, you get **94, 20.255, 89.310**, and if you desaturate by 10%, it is **100, 1.431, 91.681**.

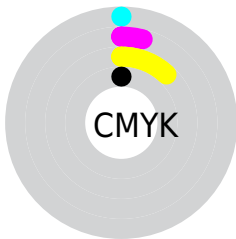
Distribution



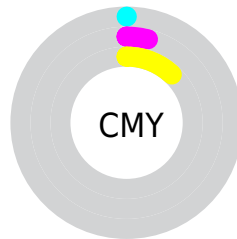
- Red (100%)
- Green (96%)
- Blue (89%)



- Red (94%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 10.812, 89.619 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, 10.812, 89.619 by changing the saturation by 10% instead.

 97, 10.812, 89.619

 97, 10.812, 89.619

 100, 10.812,
89.619

 87, 10.812, 89.619

 77, 10.812, 89.619

 67, 10.812, 89.619

 57, 10.812, 89.619

 47, 10.812, 89.619

 37, 10.812, 89.619

 27, 10.812, 89.619

 17, 10.812, 89.619

 7, 10.812, 89.619

97, 10.812, 89.619

97, 10.812, 89.619

94, 20.255, 89.310

100, 1.431, 91.681

92, 29.922, 87.975

100, 0.012,
296.813

89, 39.696, 86.597

87, 49.457, 85.176

85, 58.971, 83.697

83, 67.808, 82.120

80, 75.254, 80.363

78, 80.350, 78.272

77, 82.566, 76.169

Harmonies

Complementary

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



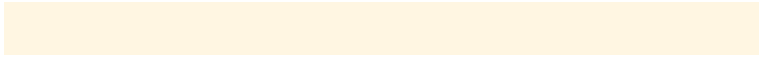
97, 10.812, 89.619



93, 10.754, 273.636

Rectangle

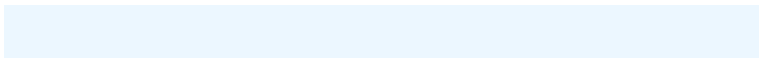
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 10.812, 89.619



97, 10.812, 139.619



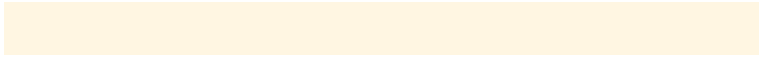
97, 10.812, 269.619



97, 10.812, 319.619

Sweetspot

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



97, 10.751, 90.597



99, 2.757, 91.598



92, 11.771, 354.761



53, 2.093, 91.520



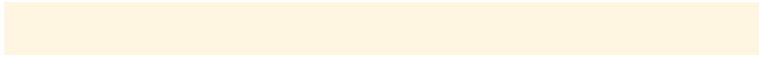
0, 0.000, 0.000



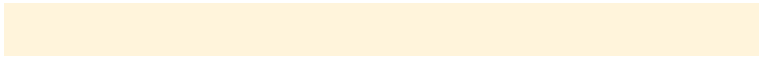
53, 0.007, 296.813

Same Dimension

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



97, 10.751, 90.597



96, 13.048, 90.289



99, 15.048, 115.866



52, 5.273, 90.853



59, 66.533, 76.697



19, 28.259, 79.455

Inverse Universe

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



93, 10.754, 273.636



91, 13.043, 273.993



91, 15.438, 297.607



50, 5.278, 273.346



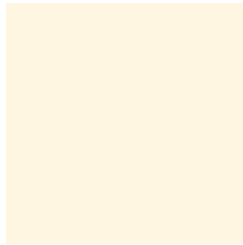
32, 80.477, 297.340



8, 32.293, 292.309

Previews

White Background



This preview shows how the CIE LCh color 97, 10.812, 89.619 looks on a white background.

Color Contrast Check

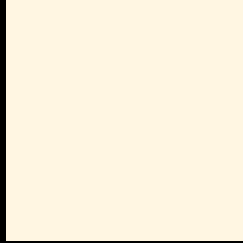
Large Text (above 18pt) WCAG AA × Fail

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, 10.812, 89.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

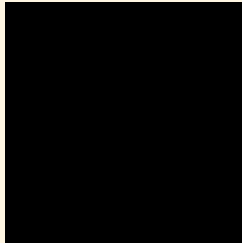
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 10.812, 89.619

Background



This preview shows how black text looks on a background with the CIELCh color 97, 10.812, 89.619.

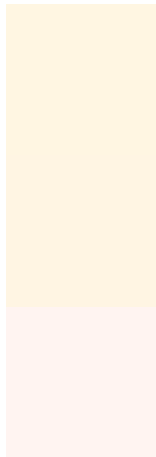


This preview shows how white text looks on a background with the CIELCh color 97, 10.812, 89.619.

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, 10.686, 91.482

Protanopia

97, 9.853, 87.751

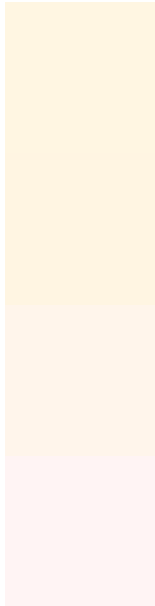
Deuteranopia

97, 4.197, 40.844



Tritanopia
97, 7.476, 324.660

Trichromacy



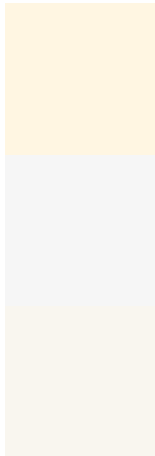
Original Color
97, 10.686, 91.482

Protanomaly
97, 10.331, 88.730

Deuteranomaly
97, 6.218, 74.387

Tritanomaly
97, 3.905, 19.499

Monochromacy



Original Color
97, 10.686, 91.482

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, 10.812, 89.619 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, 246, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 10.812, 89.619 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, 246, 226) }
```

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

```
.border{ border-color:rgb(255, 246, 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, 246, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 10.812, 89.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 226) }
```

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

```
.background{ background-color: rgb(255,  
246, 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