

Converting Colors

CIELCh(97, 9.710, 99.041)

Have a look what the booklet for
CIELCh(97, 9.710, 99.041) contains.

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Color

CIELCh(97, 9.770, 100.885)

Conversions

Conversions Part 1

Format	Color
Hex	FBF7E4
RGB	251, 247, 228
RGB Percent	98%, 97%, 89%
CMY	0.0166, 0.0322, 0.1067
CMYK	0.00, 0.02, 0.09, 0.02
HSL	50°, 73%, 94%
HSV	50°, 9%, 98%
XYZ	86.8671, 92.4403, 86.5023
YIQ	246.0300, 8.4830, -5.0610

Conversions

Conversions Part 2

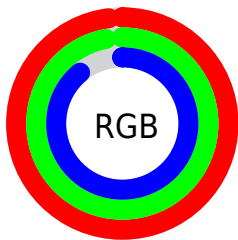
Format	Color
RYB	233, 251, 228
Decimal	16512996
CIELab	97.00, -1.84, 9.59
CIElCh	97, 9.770, 100.885
Yxy	92.4403, 0.3268, 0.3478
Android (android.graphics.Color)	4294703076 (0xFFFBF7E4)
YUV	246.0300, -8.8888, 4.3587
Hunter-Lab	96.1459, -6.9819, 13.9590

Details

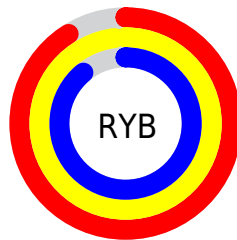
The CIELCh color **97, 9.770, 100.885** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 9.900, 283.037**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 9.677, 102.456** is the 20% darker color. If you saturate the color by 10%, you get **95, 20.492, 99.756**, and if you desaturate by 10%, it is **99, 0.894, 282.219**.

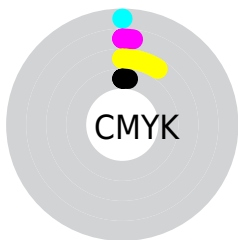
Distribution



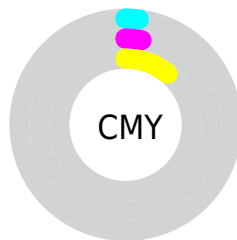
- Red (98%)
- Green (97%)
- Blue (89%)



- Red (91%)
- Yellow (98%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (2%)



- Cyan (2%)
- Magenta (3%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 9.770, 100.885 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, 9.770, 100.885 by changing the saturation by 10% instead.

 97, 9.770, 100.885

 97, 9.770, 100.885

 100, 9.770,
100.885

 87, 9.770, 100.885

 77, 9.770, 100.885

 67, 9.770, 100.885

 57, 9.770, 100.885

 47, 9.770, 100.885

 37, 9.770, 100.885

 27, 9.770, 100.885

 17, 9.770, 100.885

 7, 9.770, 100.885

97, 9.770, 100.885

97, 9.770, 100.885

95, 20.492, 99.756

99, 0.894, 282.219

94, 31.216, 98.582

100, 1.467,
199.764

92, 41.850, 97.387

91, 52.235, 96.181

90, 62.097, 94.973

88, 70.990, 93.766

87, 78.256, 92.552

86, 83.107, 91.298

85, 85.182, 89.957

Harmonies

Complementary

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



97, 9.770, 100.885



92, 9.900, 283.037

Rectangle

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



97, 9.770, 100.885



97, 9.770, 150.885



97, 9.770, 280.885



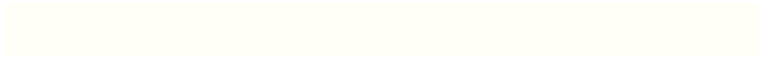
97, 9.770, 330.885

Sweetspot

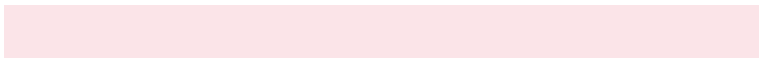
The Sweet Spot groups the original color and five complimentary colors.



97, 9.772, 100.897



99, 3.226, 101.554



92, 8.582, 5.316



53, 2.448, 101.476



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, 9.772, 100.897



98, 11.891, 100.691



97, 12.002, 121.920



51, 6.042, 100.861



65, 68.996, 90.100



21, 29.917, 92.022

Inverse Universe

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



92, 9.900, 283.037



92, 12.071, 283.271



92, 12.221, 302.955



48, 6.123, 283.078



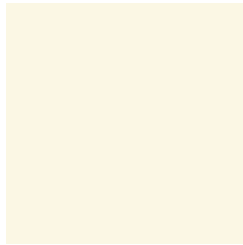
26, 95.993, 303.280



5, 36.871, 297.526

Previews

White Background



This preview shows how the CIELCh color 97, 9.770, 100.885 looks on a white background.

Color Contrast Check

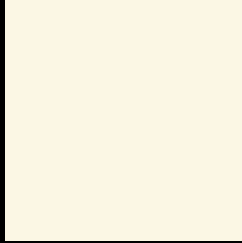
Large Text (above 18pt) WCAG AA × Fail

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, 9.770, 100.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

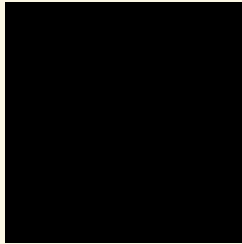
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 9.770, 100.885

Background



This preview shows how black text looks on a background with the CIELCh color 97, 9.770, 100.885.

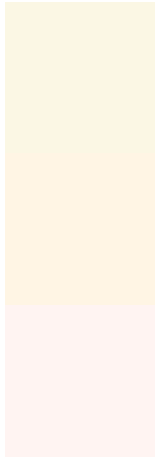


This preview shows how white text looks on a background with the CIELCh color 97, 9.770, 100.885.

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, 9.770, 100.885

Protanopia

97, 9.379, 86.668

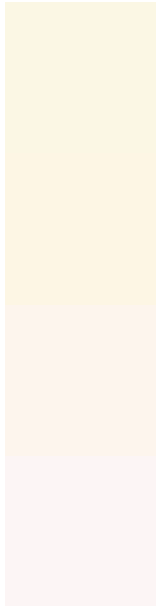
Deuteranopia

97, 4.038, 34.110



Tritanopia
97, 6.317, 316.737

Trichromacy



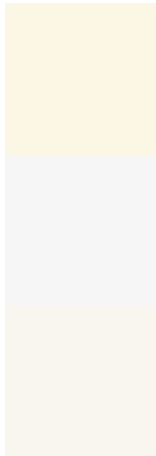
Original Color
97, 9.770, 100.885

Protanomaly
97, 9.499, 93.932

Deuteranomaly
97, 4.963, 74.558

Tritanomaly
97, 2.476, 19.309

Monochromacy



Original Color
97, 9.770, 100.885

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 3.625, 98.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 9.770, 100.885 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(251, 247, 228)` looks like.

```
.text, #text, p{  
    color:rgb(251, 247, 228)  
}
```

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(251, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 247, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 9.770, 100.885 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(251, 247, 228) }
```

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

```
.border{ border-color:rgb(251, 247, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 247, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 247, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 247, 228); box-shadow:4px 4px 4px 4px rgb(251, 247, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 9.770, 100.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 247, 228) }
```

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

```
.background{ background-color: rgb(251,  
247, 228) }
```

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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