

Converting Colors

CIELCh(97, 12.890, 99.380)

Have a look what the booklet for
CIELCh(97, 12.890, 99.380) contains.

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Color

CIELCh(97, 12.900, 99.375)

Conversions

Conversions Part 1

Format	Color
Hex	FDF7DE
RGB	253, 247, 222
RGB Percent	99%, 97%, 87%
CMY	0.0089, 0.0324, 0.1305
CMYK	0.00, 0.02, 0.12, 0.01
HSL	48°, 87%, 93%
HSV	48°, 12%, 99%
XYZ	86.7295, 92.4403, 82.1862
YIQ	245.9440, 11.6010, -6.5030

Conversions

Conversions Part 2

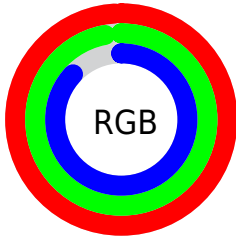
Format	Color
R _Y B	229, 253, 222
Decimal	16644062
CIE Lab	97.00, -2.10, 12.73
CIE LCh	97, 12.900, 99.375
Yxy	92.4403, 0.3318, 0.3537
Android (android.graphics.Color)	4294834142 (0xFFFD7DE)
YUV	245.9440, -11.8044, 6.1881
Hunter-Lab	96.1459, -7.2374, 16.6206

Details

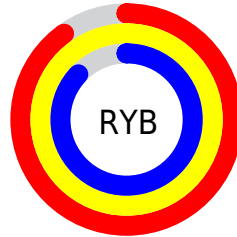
The CIELCh color **97, 12.900, 99.375** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 13.092, 282.319**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 12.951, 100.360** is the 20% darker color. If you saturate the color by 10%, you get **95, 23.500, 98.210**, and if you desaturate by 10%, it is **99, 2.363, 100.468**.

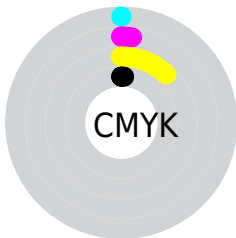
Distribution



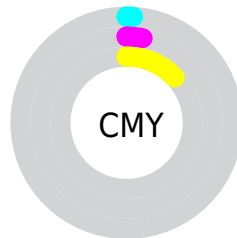
- Red (99%)
- Green (97%)
- Blue (87%)



- Red (90%)
- Yellow (99%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (1%)



- Cyan (1%)
- Magenta (3%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 12.900, 99.375 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, 12.900, 99.375 by changing the saturation by 10% instead.

 97, 12.900, 99.375

 97, 12.900, 99.375

 100, 12.900,
99.375

 87, 12.900, 99.375

 77, 12.900, 99.375

 67, 12.900, 99.375

 57, 12.900, 99.375

 47, 12.900, 99.375

 37, 12.900, 99.375

 27, 12.900, 99.375

 17, 12.900, 99.375

 7, 12.900, 99.375

97, 12.900, 99.375

97, 12.900, 99.375

95, 23.500, 98.210

99, 2.363, 100.468

94, 34.101, 97.003

100, 0.792,
200.191

92, 44.600, 95.774

90, 54.815, 94.531

89, 64.432, 93.278

88, 72.944, 92.008

86, 79.621, 90.700

85, 83.666, 89.300

84, 84.983, 88.124

Harmonies

Complementary

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



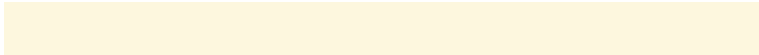
97, 12.900, 99.375



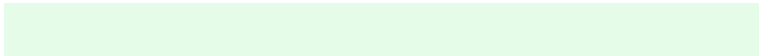
91, 13.092, 282.319

Rectangle

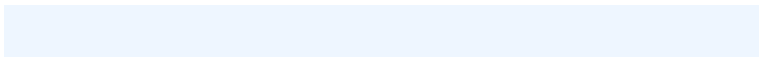
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 12.900, 99.375



97, 12.900, 149.375



97, 12.900, 279.375



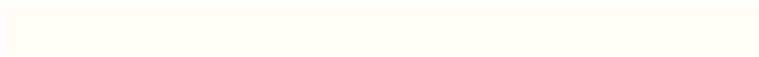
97, 12.900, 329.375

Sweetspot

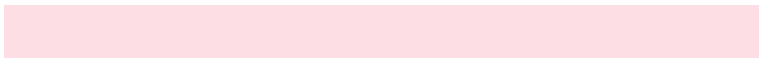
The Sweet Spot groups the original color and five complimentary colors.



97, 12.902, 99.385



99, 4.218, 100.305



91, 11.711, 4.386



53, 3.000, 100.226



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

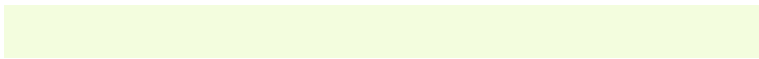
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 12.902, 99.385



97, 15.913, 99.067



98, 16.109, 121.098



52, 6.017, 99.700



65, 69.020, 88.407



22, 30.614, 90.407

Inverse Universe

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



91, 13.092, 282.319



90, 16.195, 282.695



90, 16.499, 302.549



49, 6.090, 281.959



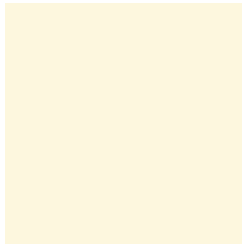
27, 95.131, 302.714



6, 37.895, 297.802

Previews

White Background



This preview shows how the CIE LCh color 97, 12.900, 99.375 looks on a white background.

Color Contrast Check

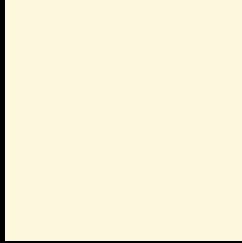
Large Text (above 18pt) WCAG AA × Fail

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, 12.900, 99.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

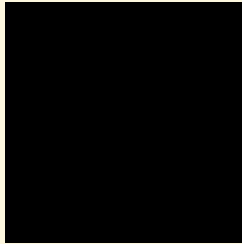
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 12.900, 99.375

Background



This preview shows how black text looks on a background with the CIELCh color 97, 12.900, 99.375.

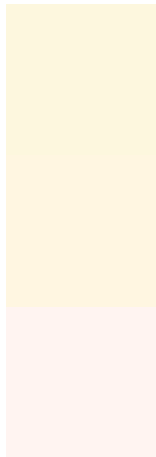


This preview shows how white text looks on a background with the CIELCh color 97, 12.900, 99.375.

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, 12.900, 99.375

Protanopia

97, 11.173, 92.222

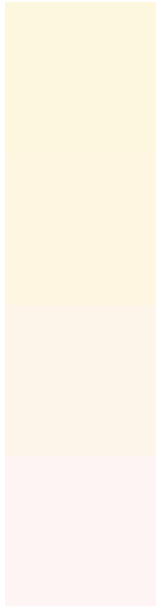
Deuteranopia

97, 4.197, 40.844



Tritanopia
97, 7.283, 322.376

Trichromacy



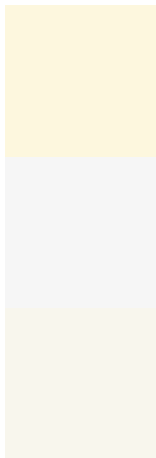
Original Color
97, 12.900, 99.375

Protanomaly
97, 11.565, 94.649

Deuteranomaly
97, 6.455, 79.576

Tritanomaly
97, 3.584, 27.632

Monochromacy



Original Color
97, 12.900, 99.375

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 4.631, 100.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 12.900, 99.375 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(253, 247, 222)` looks like.

```
.text, #text, p{  
    color:rgb(253, 247, 222)  
}
```

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(253, 247, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 247, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 12.900, 99.375 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(253, 247, 222) }
```

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

```
.border{ border-color:rgb(253, 247, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 247, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 247, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 247, 222);  
box-shadow:4px 4px 4px 4px rgb(253, 247,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 12.900, 99.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 247, 222) }
```

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

```
.background{ background-color: rgb(253,  
247, 222) }
```

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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