

Converting Colors

CIELCh(100, 43.355, 82.723)

Have a look what the booklet for
CIELCh(100, 43.355, 82.723)
contains.

CIELCh(97, 39.343, 103.705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(97, 39.343, 103.705)

Conversions

Conversions Part 1

Format	Color
Hex	FFFAAC
RGB	255, 250, 172
RGB Percent	100%, 98%, 67%
CMY	0.0000, 0.0212, 0.3273
CMYK	0.00, 0.02, 0.33, 0.00
HSL	56°, 100%, 84%
HSV	56°, 33%, 100%
XYZ	82.9133, 92.4403, 52.2739
YIQ	242.6030, 28.0180, -23.1980

Conversions

Conversions Part 2

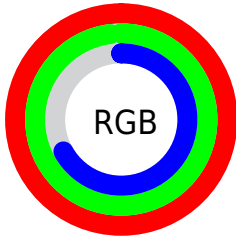
Format	Color
RYB	177, 255, 172
Decimal	16775852
CIELab	97.00, -9.32, 38.22
CIElCh	97, 39.343, 103.705
Yxy	92.4403, 0.3642, 0.4061
Android (android.graphics.Color)	4294965932 (0xFFFFFAAC)
YUV	242.6030, -34.8073, 10.8722
Hunter-Lab	96.1459, -14.3223, 35.0665

Details

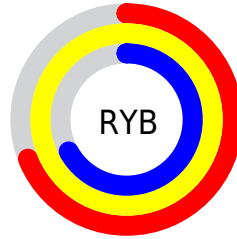
The CIELCh color **97, 39.343, 103.705** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **74, 42.216, 291.803**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **77, 39.352, 104.663** is the 20% darker color. If you saturate the color by 10%, you get **96, 50.932, 103.010**, and if you desaturate by 10%, it is **98, 27.433, 105.091**.

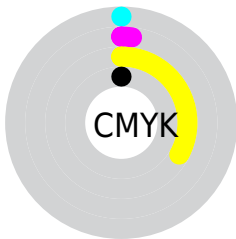
Distribution



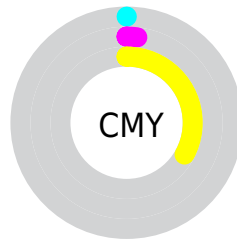
- Red (100%)
- Green (98%)
- Blue (67%)



- Red (69%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 39.343, 103.705 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, 39.343, 103.705 by changing the saturation by 10% instead.


 97, 39.343,
103.705


 97, 39.343,
103.705


 100, 39.343,
103.705


 87, 39.343,
103.705

 77, 39.343,
103.705

 67, 39.343,
103.705

 57, 39.343,
103.705

 47, 39.343,
103.705

 37, 39.343,
103.705

 27, 39.343,

103.705

■ 17, 39.343,
103.705

■ 7, 39.343, 103.705

■ 97, 39.343,
103.705

■ 97, 39.343,
103.705

■ 96, 50.932,
103.010

■ 98, 27.433,
105.091

■ 95, 61.994,
102.009

■ 99, 15.388,
106.132

■ 95, 72.139,
101.066

■ 100, 3.289,
107.134

■ 94, 80.821,
100.210

■ 100, 0.012,
296.813

■ 94, 87.361, 99.466

■ 93, 91.175, 98.846

■ 93, 92.383, 98.457

Harmonies

Complementary

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



97, 39.343, 103.705



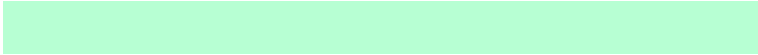
74, 42.216, 291.803

Rectangle

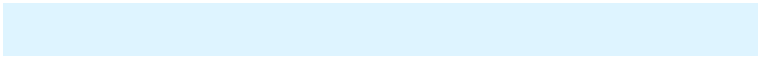
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 39.343, 103.705



97, 39.343, 153.705



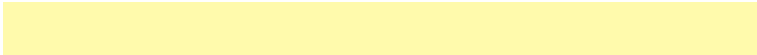
97, 39.343, 283.705



97, 39.343, 333.705

Sweetspot

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



97, 39.331, 104.044



99, 12.092, 106.413



78, 32.795, 17.239



53, 8.250, 106.269



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

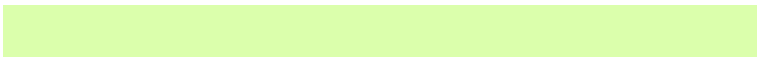
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 39.331, 104.044



96, 46.657, 103.393



96, 44.179, 125.086



53, 6.875, 106.463



72, 74.468, 98.537



25, 33.763, 99.270

Inverse Universe

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



74, 42.216, 291.803



70, 50.963, 292.932



76, 46.631, 308.501



49, 7.010, 288.488



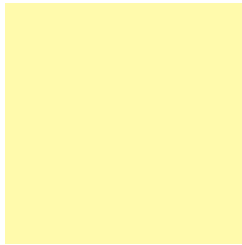
24, 104.872, 305.532



4, 42.065, 300.637

Previews

White Background



This preview shows how the CIELCh color 97, 39.343, 103.705 looks on a white background.

Color Contrast Check

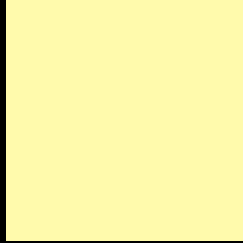
Large Text (above 18pt) WCAG AA × Fail

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, 39.343, 103.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

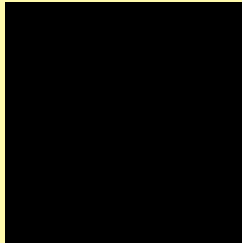
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 39.343, 103.705

Background



This preview shows how black text looks on a background with the CIELCh color 97, 39.343, 103.705.

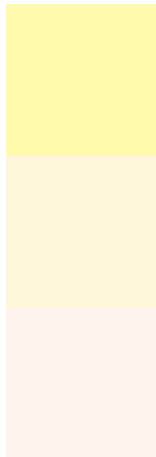


This preview shows how white text looks on a background with the CIELCh color 97, 39.343, 103.705.

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, 39.295, 104.288

Protanopia
97, 15.122, 96.315

Deuteranopia
97, 5.660, 65.525



Tritanopia
97, 5.909, 335.926

Trichromacy



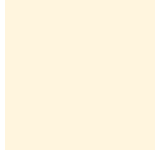
Original Color
97, 39.295, 104.288



Protanomaly
97, 24.049, 101.091



Deuteranomaly
97, 17.115, 97.593

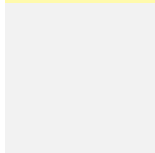


Tritanomaly
97, 12.268, 91.846

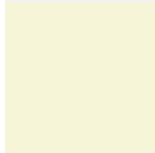
Monochromacy



Original Color
97, 39.295, 104.288



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 14.795, 106.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 39.343, 103.705 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, 250, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 172)  
}
```

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, 250, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 39.343, 103.705 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, 250, 172) }
```

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

```
.border{ border-color:rgb(255, 250, 172) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 39.343, 103.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 172) }
```

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

```
.background{ background-color: rgb(255,  
250, 172) }
```

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