

# Converting Colors

CIELCh(97, 7.586, 320.480)

Have a look what the booklet for  
CIELCh(97, 7.586, 320.480) contains.

<b>CIELCh(97, 7.283, 322.376)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(97, 7.283, 322.376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF3FF
RGB	254, 243, 255
RGB Percent	100%, 95%, 100%
CMY	0.0037, 0.0468, 0.0000
CMYK	0.00, 0.05, 0.00, 0.00
HSL	295°, 100%, 98%
HSV	295°, 5%, 100%
XYZ	91.0205, 92.4403, 107.7011
YIQ	247.6570, 2.7040, 6.0640

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 243, 255
Decimal	16708607
CIE <sub>Lab</sub>	97.00, 5.77, -4.45
CIE <sub>LCh</sub>	97, 7.283, 322.376
Yxy	92.4403, 0.3126, 0.3175
Android (android.graphics.Color)	4294898687 (0xFFFEF3FF)
YUV	247.6570, 3.6201, 5.5628
Hunter-Lab	96.1459, 0.7292, 0.8864

# Details

The CIELCh color **97, 7.283, 322.376** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **99, 7.229, 142.103**, 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, 6.989, 322.206** is the 20% darker color. If you saturate the color by 10%, you get **91, 22.900, 323.030**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

# Distribution



- Red (100%)
- Green (95%)
- Blue (100%)



- Red (100%)
- Yellow (95%)
- Blue (100%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 7.283, 322.376 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, 7.283, 322.376 by changing the saturation by 10% instead.



 97, 7.283, 322.376

 97, 7.283, 322.376

 100, 7.283,  
322.376

 87, 7.283, 322.376

 77, 7.283, 322.376

 67, 7.283, 322.376

 57, 7.283, 322.376

 47, 7.283, 322.376

 37, 7.283, 322.376

 27, 7.283, 322.376

 17, 7.283, 322.376

 7, 7.283, 322.376

97, 7.283, 322.376

97, 7.283, 322.376

91, 22.900,  
323.030

100, 0.012,  
296.813

85, 38.621,  
323.535

79, 54.145,  
324.018

73, 69.078,  
324.461

69, 82.897,  
324.839

64, 94.971,  
325.127

61, 104.649,  
325.297

59, 111.417,  
325.328

■ 57,115.114,  
325.209

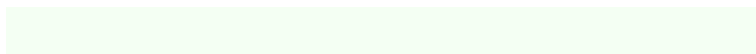
# Harmonies

# Complementary

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



97, 7.283, 322.376



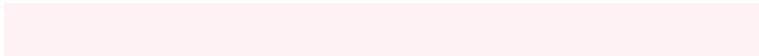
99, 7.229, 142.103

# Rectangle

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



97, 7.283, 322.376



97, 7.283, 12.376



97, 7.283, 142.376



97, 7.283, 192.376

# Sweetspot

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



97, 7.255, 322.500



99, 1.553, 322.170



96, 5.616, 287.116



53, 0.883, 322.158



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, 7.255, 322.500



96, 9.307, 322.574



97, 5.538, 339.696



51, 6.176, 322.610



43, 93.533, 325.152

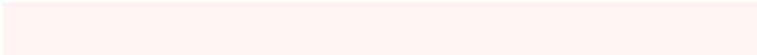


11, 42.996, 325.516

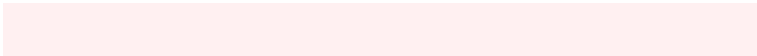


# Inverse Universe

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



97, 4.270, 13.086



96, 5.498, 13.228



99, 5.501, 159.143



51, 3.655, 13.294



40, 80.946, 36.958



10, 32.750, 23.989



# Previews

## White Background



This preview shows how the CIE LCh color 97, 7.283, 322.376 looks on a white background.

## Color Contrast Check

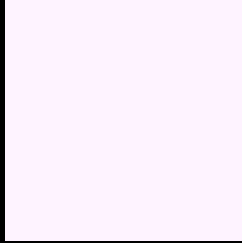
Large Text (above 18pt) WCAG AA × Fail

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, 7.283, 322.376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

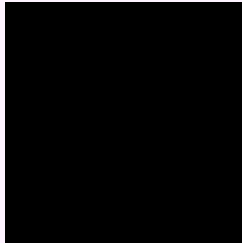
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 97, 7.283, 322.376

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 7.283, 322.376.



This preview shows how white text looks on a background with the CIELCh color 97, 7.283, 322.376.

# 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, 7.283, 322.376


### Protanopia

97, 5.242, 302.017

### Deuteranopia

97, 5.909, 335.926





**Tritanopia**  
97, 6.168, 313.832

# Trichromacy



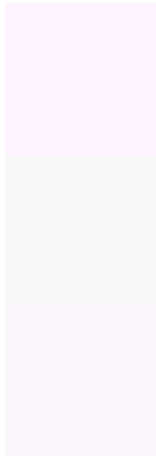
**Original Color**  
97, 7.283, 322.376

**Protanomaly**  
97, 6.036, 310.798

**Deuteranomaly**  
97, 6.275, 332.584

**Tritanomaly**  
97, 6.317, 316.737

# Monochromacy



**Original Color**  
97, 7.283, 322.376

**Achromatopsia**  
98, 0.011, 296.813

**Achromatomaly**  
97, 2.937, 318.816

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 7.283, 322.376 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(254, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 255)  
}
```

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(254, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 7.283, 322.376 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(254, 243, 255) }
```

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

```
.border{ border-color:rgb(254, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 7.283, 322.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 255) }
```

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

```
.background{ background-color: rgb(254,  
243, 255) }
```

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