

# Converting Colors

CIELCh(100, 19.973, 18.189)

Have a look what the booklet for  
CIELCh(100, 19.973, 18.189)  
contains.

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# **Color**

**CIELCh(97, 4.737, 7.151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3F5
RGB	255, 243, 245
RGB Percent	100%, 95%, 96%
CMY	0.0000, 0.0457, 0.0378
CMYK	0.00, 0.05, 0.04, 0.00
HSL	350°, 100%, 98%
HSV	350°, 5%, 100%
XYZ	90.4299, 92.4403, 99.7406
YIQ	246.8160, 6.5100, 3.1660

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">255, 243, 245</a>
Decimal	<a href="#">16774133</a>
CIELab	<a href="#">97.00, 4.70, 0.59</a>
CIElCh	<a href="#">97, 4.737, 7.151</a>
Yxy	<a href="#">92.4403, 0.3200, 0.3271</a>
Android (android.graphics.Color)	<a href="#">4294964213</a> ( <a href="#">0xFFFFF3F5</a> )
YUV	<a href="#">246.8160, -0.8953, 7.1774</a>
Hunter-Lab	<a href="#">96.1459, -0.3673, 5.7954</a>

# Details

The CIELCh color  $97, 4.737, 7.151$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $99, 4.174, 185.204$ , 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  $77, 4.247, 5.024$  is the 20% darker color. If you saturate the color by 10%, you get  $90, 13.981, 6.820$ , and if you desaturate by 10%, it is  $100, 0.012, 296.813$ .

# Distribution



Red (100%)

Green (95%)

Blue (96%)



Red (100%)

Yellow (95%)

Blue (96%)



Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 4.737, 7.151 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, 4.737, 7.151 by changing the saturation by 10% instead.



 97, 4.737, 7.151

 97, 4.737, 7.151

 100, 4.737, 7.151

 87, 4.737, 7.151

 77, 4.737, 7.151

 67, 4.737, 7.151

 57, 4.737, 7.151

 47, 4.737, 7.151

 37, 4.737, 7.151

 27, 4.737, 7.151

 17, 4.737, 7.151

 7, 4.737, 7.151

97, 4.737, 7.151

97, 4.737, 7.151

90, 13.981, 6.820

100, 0.012,  
296.813

84, 24.217, 8.039

77, 34.878, 9.509

72, 45.782, 11.329

66, 56.632, 13.620

62, 67.036, 16.533

58, 76.584, 20.212

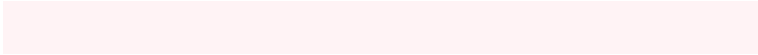
55, 84.996, 24.718

54, 92.208, 29.863

# Harmonies

# Complementary

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



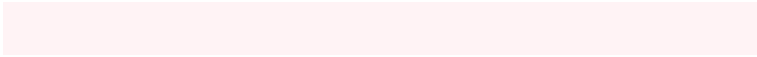
97, 4.737, 7.151



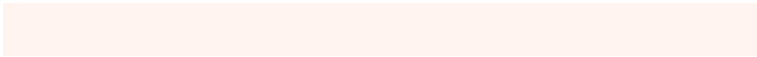
99, 4.174, 185.204

# Rectangle

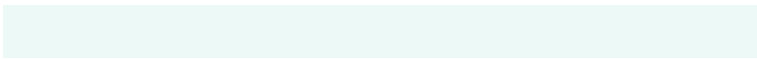
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



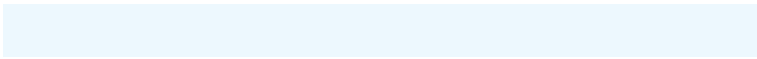
97, 4.737, 7.151



97, 4.737, 57.151



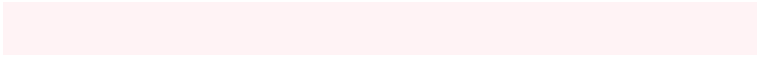
97, 4.737, 187.151



97, 4.737, 237.151

# Sweetspot

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



97, 4.262, 5.716



99, 0.927, 4.870



97, 6.861, 319.476



53, 0.527, 4.831



0, 0.000, 0.000



53, 0.007, 296.813

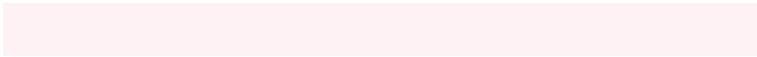


# Same Dimension

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



97, 4.262, 5.716



97, 4.671, 5.768



98, 3.377, 53.115



51, 3.193, 5.851



40, 76.379, 31.652



10, 32.153, 20.092



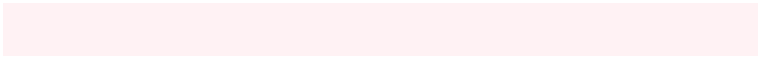


# Inverse Universe

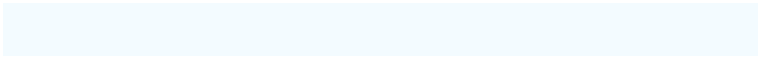
The Inverse Universe completely reimagines the original color for something new.



97, 4.262, 5.716



97, 4.671, 5.768



98, 3.307, 234.162



51, 3.193, 5.851



40, 76.379, 31.652

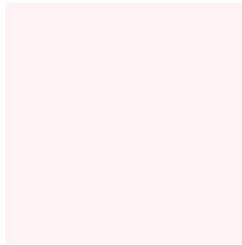


10, 32.153, 20.092



# Previews

## White Background



This preview shows how the CIELCh color 97, 4.737, 7.151 looks on a white background.

## Color Contrast Check

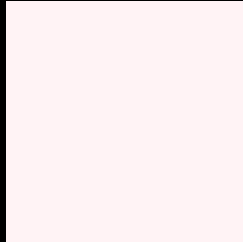
Large Text (above 18pt) WCAG AA × Fail

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, 4.737, 7.151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

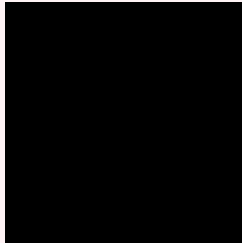
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

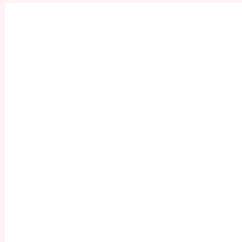
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 4.737, 7.151

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 4.737, 7.151.

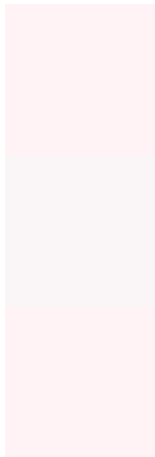


This preview shows how white text looks on a background with the CIELCh color 97, 4.737, 7.151.

# 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, 4.386, 6.104

### Protanopia

97, 1.845, 3.104

### Deuteranopia

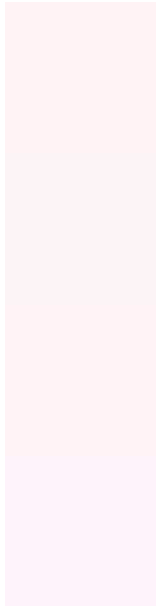
97, 4.532, 359.827



**Tritanopia**  
97, 7.103, 319.977



# Trichromacy



## Original Color

97, 4.386, 6.104

## Protanomaly

97, 3.018, 359.617

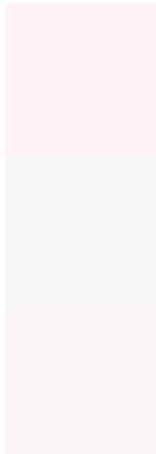
## Deuteranomaly

97, 4.532, 359.827

## Tritanomaly

97, 5.662, 333.425

# Monochromacy



## Original Color

97, 4.386, 6.104

## Achromatopsia

97, 0.011, 296.813

## Achromatomaly

97, 1.411, 19.041

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 4.737, 7.151 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, 243, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 245)  
}
```

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, 243, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 245) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 4.737, 7.151 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, 243, 245) }
```

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

```
.border{ border-color:rgb(255, 243, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
245) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 4.737, 7.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 245) }
```

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

```
.background{ background-color: rgb(255,  
243, 245) }
```

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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