

# Converting Colors

CIELCh(97, 18.416, 13.356)

Have a look what the booklet for  
CIELCh(97, 18.416, 13.356) contains.

<b>CIELCh(94, 7.955, 1.102)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(94, 7.955, 1.102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE9EE
RGB	254, 233, 238
RGB Percent	100%, 91%, 93%
CMY	0.0052, 0.0874, 0.0679
CMYK	0.00, 0.08, 0.06, 0.01
HSL	346°, 89%, 95%
HSV	346°, 8%, 99%
XYZ	85.1955, 85.2715, 92.6217
YIQ	239.8490, 10.9110, 6.0070

# Conversions

## Conversions Part 2

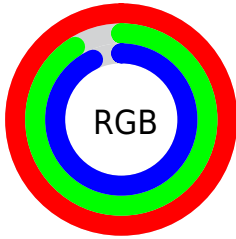
Format	Color
R <sub>Y</sub> B	254, 233, 238
Decimal	16706030
CIE Lab	94.00, 7.95, 0.15
CIE LCh	94, 7.955, 1.102
Yxy	85.2715, 0.3238, 0.3241
Android (android.graphics.Color)	4294896110 (0xFFFE9EE)
YUV	239.8490, -0.9116, 12.4104
Hunter-Lab	92.3426, 3.0850, 5.1706

# Details

The CIELCh color  $94, 7.955, 1.102$  is a light color, and the websafe version is hex FFFFFF. A complement of this color would be  $98, 7.721, 179.718$ , and the grayscale version is  $95, 0.011, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $74, 8.027, 0.425$  is the 20% darker color. If you saturate the color by 10%, you get  $87, 17.991, 2.248$ , and if you desaturate by 10%, it is  $100, 0.460, 200.818$ .

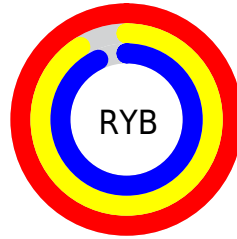
# Distribution



Red (100%)

Green (91%)

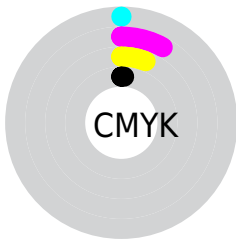
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

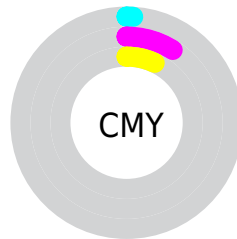


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (1%)



Cyan (1%)

Magenta (9%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 7.955, 1.102 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 94, 7.955, 1.102 by changing the saturation by 10% instead.



 94, 7.955, 1.102

 94, 7.955, 1.102

 100, 7.955, 1.102

 84, 7.955, 1.102

 74, 7.955, 1.102

 64, 7.955, 1.102

 54, 7.955, 1.102

 44, 7.955, 1.102

 34, 7.955, 1.102

 24, 7.955, 1.102

 14, 7.955, 1.102

 4, 7.955, 1.102

94, 7.955, 1.102

94, 7.955, 1.102

87, 17.991, 2.248

100, 0.460,  
200.818

81, 28.426, 3.555

75, 39.107, 5.125

69, 49.779, 7.058

64, 60.070, 9.482

60, 69.531, 12.557

57, 77.754, 16.447

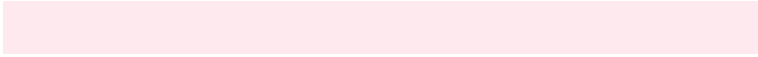
55, 84.570, 21.236

53, 90.228, 26.735

# Harmonies

# Complementary

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



94, 7.955, 1.102



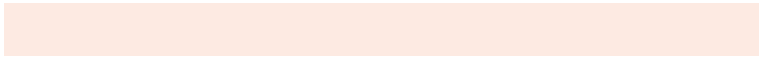
98, 7.721, 179.718

# Rectangle

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



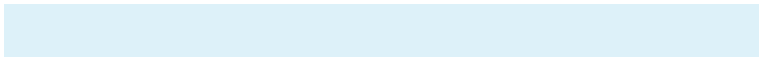
94, 7.955, 1.102



94, 7.955, 51.102



94, 7.955, 181.102



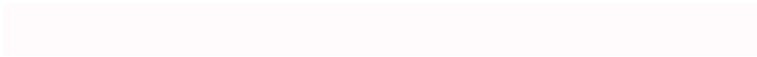
94, 7.955, 231.102

# Sweetspot

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



94, 7.953, 1.113



99, 1.905, 0.270



94, 12.175, 317.631



53, 1.083, 0.245



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

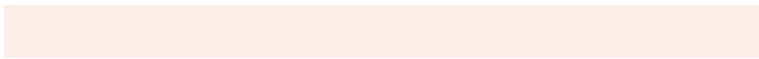
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 7.953, 1.113



93, 9.700, 1.304



95, 6.267, 44.961



50, 5.508, 1.249



40, 73.153, 26.617



10, 31.765, 16.694





# Inverse Universe

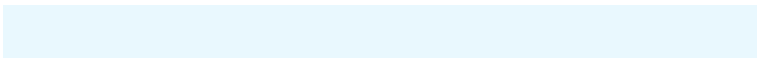
The Inverse Universe completely reimagines the original color for something new.



94, 7.953, 1.113



93, 9.700, 1.304



97, 5.970, 225.951



50, 5.508, 1.249



40, 73.153, 26.617

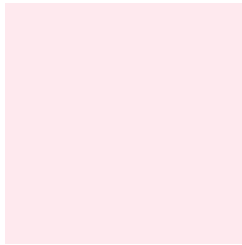


10, 31.765, 16.694



# Previews

## White Background



This preview shows how the CIE LCh color 94, 7.955, 1.102 looks on a white background.

## Color Contrast Check

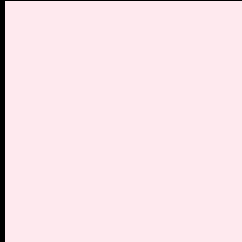
Large Text (above 18pt) WCAG AA × Fail

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 94, 7.955, 1.102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

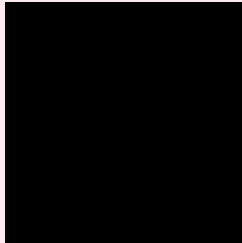
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

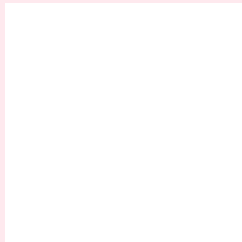
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 94, 7.955, 1.102**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 94, 7.955, 1.102.

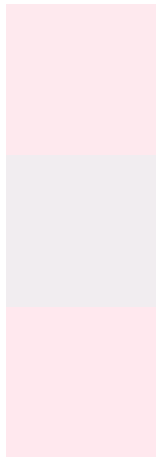


This preview shows how white text looks on a background with the CIELCh color 94, 7.955, 1.102.

# 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

94, 7.961, 1.105

### Protanopia

94, 2.114, 332.271

### Deuteranopia

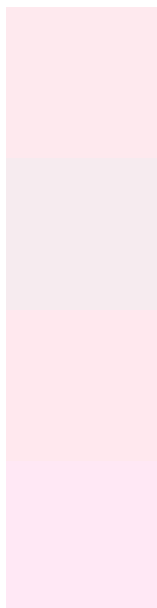
94, 8.815, 359.530



**Tritanopia**  
94, 12.592, 332.927



# Trichromacy



## Original Color

94, 7.961, 1.105

## Protanomaly

94, 4.440, 351.992

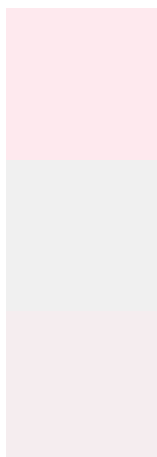
## Deuteranomaly

94, 8.815, 359.530

## Tritanomaly

94, 10.581, 340.967

# Monochromacy



## Original Color

94, 7.961, 1.105

## Achromatopsia

95, 0.011, 296.813

## Achromatomaly

94, 3.035, 359.630

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 7.955, 1.102 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, 233, 238)` looks like.

```
.text, #text, p{  
    color:rgb(254, 233, 238)  
}
```

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, 233, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 233, 238) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 7.955, 1.102 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, 233, 238) }
```

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

```
.border{ border-color:rgb(254, 233, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 233, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 233, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 233, 238); box-shadow:4px 4px 4px 4px rgb(254, 233, 238) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 7.955, 1.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 233, 238) }
```

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

```
.background{ background-color: rgb(254,  
233, 238) }
```

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