

# Converting Colors

CIELCh(96, 16.648, 15.311)

Have a look what the booklet for  
CIELCh(96, 16.648, 15.311) contains.

<b>CIELCh(94, 8.064, 8.908)</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, 8.064, 8.908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9EC
RGB	255, 233, 236
RGB Percent	100%, 91%, 93%
CMY	0.0016, 0.0878, 0.0761
CMYK	0.00, 0.09, 0.07, 0.00
HSL	352°, 96%, 96%
HSV	352°, 9%, 100%
XYZ	85.2025, 85.2715, 91.0243
YIQ	239.9200, 12.1490, 5.5970

# Conversions

## Conversions Part 2

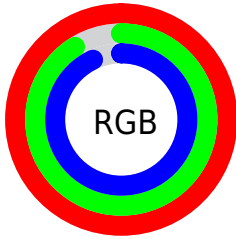
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 233, 236
Decimal	16771564
CIE Lab	94.00, 7.97, 1.25
CIE LCh	94, 8.064, 8.908
Yxy	85.2715, 0.3258, 0.3261
Android (android.graphics.Color)	4294961644 (0xFFFFE9EC)
YUV	239.9200, -1.9326, 13.2252
Hunter-Lab	92.3426, 3.0986, 6.1962

# Details

The CIELCh color **94, 8.064, 8.908** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98, 7.738, 187.595**, 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, 8.130, 8.590** is the 20% darker color. If you saturate the color by 10%, you get **87, 17.932, 10.011**, and if you desaturate by 10%, it is **100, 0.139, 204.182**.

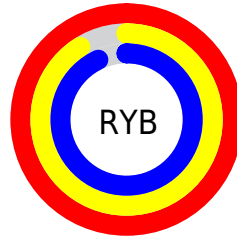
# Distribution



Red (100%)

Green (91%)

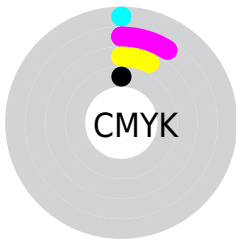
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

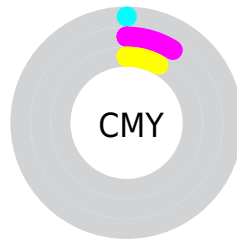


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 8.064, 8.908 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, 8.064, 8.908 by changing the saturation by 10% instead.



 94, 8.064, 8.908

 94, 8.064, 8.908

 100, 8.064, 8.908

 84, 8.064, 8.908

 74, 8.064, 8.908

 64, 8.064, 8.908

 54, 8.064, 8.908

 44, 8.064, 8.908

 34, 8.064, 8.908

 24, 8.064, 8.908

 14, 8.064, 8.908

 4, 8.064, 8.908

94, 8.064, 8.908

94, 8.064, 8.908

87, 17.932, 10.011

100, 0.139,  
204.182

81, 28.345, 11.298

75, 39.190, 12.884

69, 50.256, 14.877

64, 61.225, 17.412

60, 71.700, 20.632

57, 81.307, 24.636

54, 89.796, 29.342

53, 96.981, 34.227

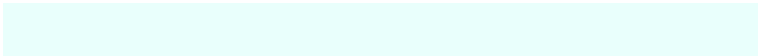
# Harmonies

# Complementary

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



94, 8.064, 8.908



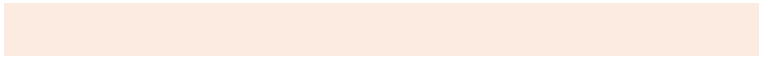
98, 7.738, 187.595

# Rectangle

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



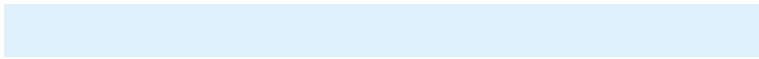
94, 8.064, 8.908



94, 8.064, 58.908



94, 8.064, 188.908



94, 8.064, 238.908

# Sweetspot

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



94, 8.062, 8.921



98, 2.757, 8.259



94, 13.124, 320.666



52, 2.095, 8.377



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

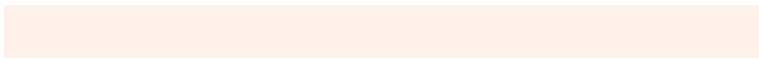
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 8.062, 8.921



93, 9.386, 9.064



96, 6.473, 56.935



50, 5.328, 9.012



40, 78.183, 33.937



10, 32.364, 21.601



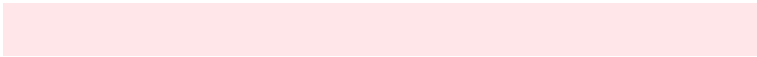


# Inverse Universe

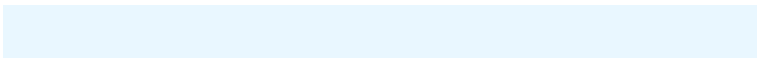
The Inverse Universe completely reimagines the original color for something new.



94, 8.062, 8.921



93, 9.386, 9.064



96, 6.215, 238.679



50, 5.328, 9.012



40, 78.183, 33.937

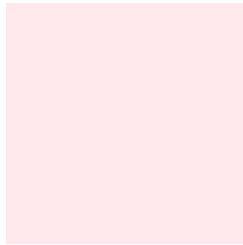


10, 32.364, 21.601



# Previews

## White Background



This preview shows how the CIELCh color 94, 8.064, 8.908 looks on a white background.

## Color Contrast Check

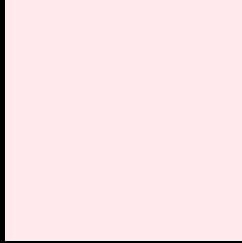
Large Text (above 18pt) WCAG AA × Fail

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, 8.064, 8.908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

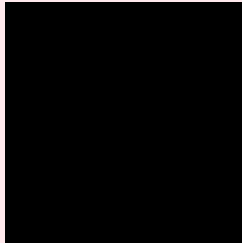
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

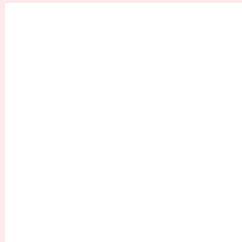
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 94, 8.064, 8.908

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 8.064, 8.908.

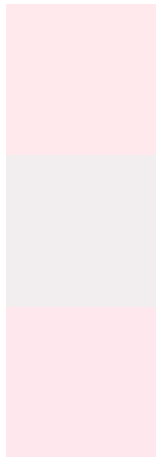


This preview shows how white text looks on a background with the CIELCh color 94, 8.064, 8.908.

# 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, 8.064, 8.908

**Protanopia**

94, 1.856, 3.120

**Deuteranopia**

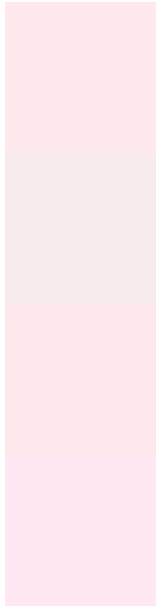
94, 8.657, 2.723



**Tritanopia**  
94, 12.223, 334.562



# Trichromacy



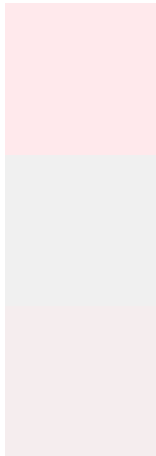
**Original Color**  
94, 8.064, 8.908

**Protanomaly**  
94, 4.414, 6.121

**Deuteranomaly**  
94, 8.528, 6.024

**Tritanomaly**  
94, 9.975, 345.565

# Monochromacy



**Original Color**  
94, 8.064, 8.908

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
94, 2.898, 9.190

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 8.064, 8.908 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, 233, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 236)  
}
```

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, 233, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 236) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 8.064, 8.908 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, 233, 236) }
```

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

```
.border{ border-color:rgb(255, 233, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
236) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 8.064, 8.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 236) }
```

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

```
.background{ background-color: rgb(255,  
233, 236) }
```

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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