

# Converting Colors

CIELCh(94, 2.361, 17.942)

Have a look what the booklet for  
CIELCh(94, 2.361, 17.942) contains.

<b>CIELCh(94, 2.494, 19.324)</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, 2.494, 19.324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3ECEC
RGB	243, 236, 236
RGB Percent	95%, 93%, 93%
CMY	0.0462, 0.0737, 0.0737
CMYK	0.00, 0.03, 0.03, 0.05
HSL	0°, 23%, 94%
HSV	0°, 3%, 95%
XYZ	82.2609, 85.2715, 91.6394
YIQ	238.0930, 4.1720, 1.4840

# Conversions

## Conversions Part 2

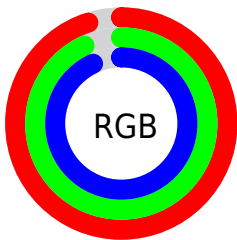
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 236, 236
Decimal	15985900
CIE <sub>Lab</sub>	94.00, 2.35, 0.83
CIE <sub>LCh</sub>	94, 2.494, 19.324
Yxy	85.2715, 0.3174, 0.3290
Android (android.graphics.Color)	4294175980 (0xFFFF3ECEC)
YUV	238.0930, -1.0318, 4.3034
Hunter-Lab	92.3426, -2.5875, 5.8013

# Details

The CIELCh color **94, 2.494, 19.324** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 2.446, 199.556**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 2.628, 19.429** is the 20% darker color. If you saturate the color by 10%, you get **87, 11.600, 20.262**, and if you desaturate by 10%, it is **99, 4.069, 199.310**.

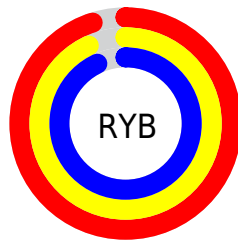
# Distribution



Red (95%)

Green (93%)

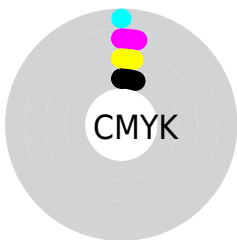
Blue (93%)



Red (95%)

Yellow (93%)

Blue (93%)

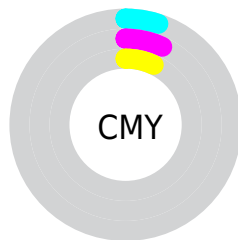


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (5%)



Cyan (5%)

Magenta (7%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 2.494, 19.324 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, 2.494, 19.324 by changing the saturation by 10% instead.



94, 2.494, 19.324

94, 2.494, 19.324

100, 2.494, 19.324

84, 2.494, 19.324

74, 2.494, 19.324

64, 2.494, 19.324

54, 2.494, 19.324

44, 2.494, 19.324

34, 2.494, 19.324

24, 2.494, 19.324

14, 2.494, 19.324

4, 2.494, 19.324

94, 2.494, 19.324

94, 2.494, 19.324

87, 11.600, 20.262

99, 4.069, 199.310

81, 21.436, 21.178

75, 31.992, 22.352

69, 43.187, 23.885

64, 54.837, 25.890

59, 66.640, 28.473

55, 78.171, 31.666

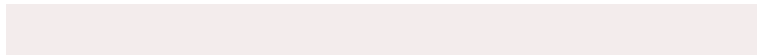
53, 88.781, 35.257

51, 97.104, 38.465

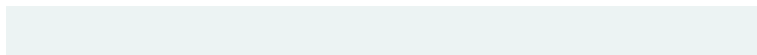
# Harmonies

# Complementary

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



94, 2.494, 19.324



95, 2.446, 199.556

# Rectangle

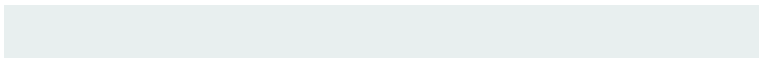
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



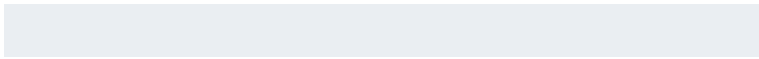
94, 2.494, 19.324



94, 2.494, 69.324



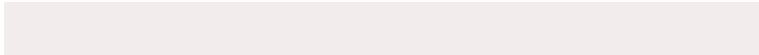
94, 2.494, 199.324



94, 2.494, 249.324

# Sweetspot

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



94, 2.492, 19.373



99, 0.894, 18.777



94, 4.398, 324.533



53, 0.508, 18.735



0, 0.000, 0.000

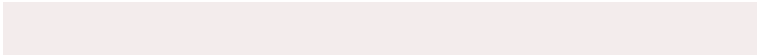


53, 0.007, 296.813

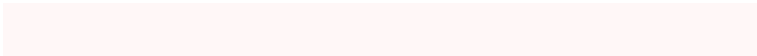


# Same Dimension

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



94, 2.492, 19.373



98, 2.700, 19.391



95, 2.166, 74.874



50, 1.986, 19.491



39, 82.542, 40.006



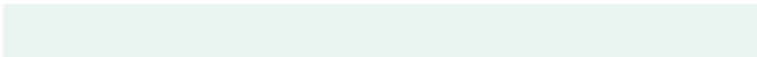
8, 31.011, 25.038





# Inverse Universe

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



95, 2.446, 199.556



99, 2.648, 199.538



95, 2.167, 255.971



51, 1.938, 199.443



69, 39.527, 196.478

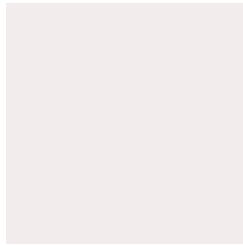


22, 17.576, 196.466



# Previews

## White Background



This preview shows how the CIE LCh color 94, 2.494, 19.324 looks on a white background.

## Color Contrast Check

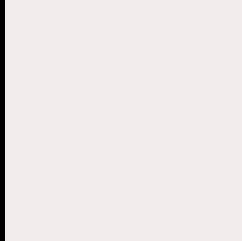
Large Text (above 18pt) WCAG AA × Fail

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 94, 2.494, 19.324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

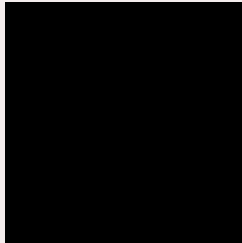
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

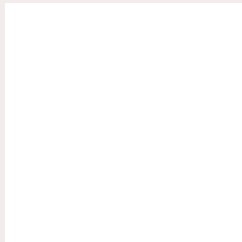
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 94, 2.494, 19.324**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 94, 2.494, 19.324.

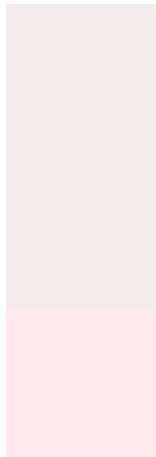


This preview shows how white text looks on a background with the CIELCh color 94, 2.494, 19.324.

# 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, 2.494, 19.324

### Protanopia

94, 1.845, 35.328

### Deuteranopia

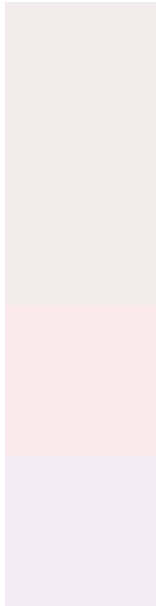
94, 8.815, 359.530



**Tritanopia**  
94, 10.223, 314.947



# Trichromacy



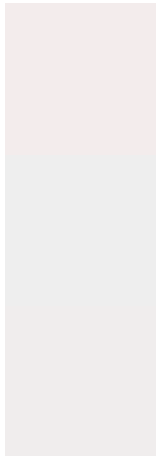
**Original Color**  
94, 2.494, 19.324

**Protanomaly**  
94, 1.845, 35.328

**Deuteranomaly**  
94, 6.287, 5.582

**Tritanomaly**  
94, 6.705, 322.148

# Monochromacy



**Original Color**  
94, 2.494, 19.324

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
94, 1.065, 18.889

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 2.494, 19.324 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(243, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(243, 236, 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(243, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 236, 236) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 2.494, 19.324 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(243, 236, 236) }
```

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

```
.border{ border-color:rgb(243, 236, 236) }
```

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

Here you see how a box with a 4 pixel rgb(243, 236, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(243, 236,  
236) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 2.494, 19.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 236, 236) }
```

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

```
.background{ background-color: rgb(243,  
236, 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](#).

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