

# Converting Colors

CIELCh(94, 2.432, 144.404)

Have a look what the booklet for  
CIELCh(94, 2.432, 144.404) contains.

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# **Color**

**CIELCh(94, 2.503, 144.466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBEFEB
RGB	235, 239, 235
RGB Percent	92%, 94%, 92%
CMY	0.0790, 0.0633, 0.0790
CMYK	0.02, 0.00, 0.02, 0.06
HSL	120°, 11%, 93%
HSV	120°, 2%, 94%
XYZ	80.0080, 85.2715, 90.7261
YIQ	237.3480, -1.1000, -2.0920

# Conversions

## Conversions Part 2

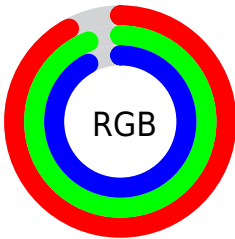
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 239, 239
Decimal	15462379
CIE Lab	94.00, -2.04, 1.45
CIE LCh	94, 2.503, 144.466
Yxy	85.2715, 0.3125, 0.3331
Android (android.graphics.Color)	4293652459 (0xFFEBEFEB)
YUV	237.3480, -1.1576, -2.0592
Hunter-Lab	92.3426, -6.9426, 6.3877

# Details

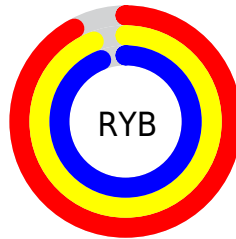
The CIELCh color **94, 2.503, 144.466** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 2.525, 324.418**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 2.635, 144.413** is the 20% darker color. If you saturate the color by 10%, you get **92, 17.637, 143.753**, and if you desaturate by 10%, it is **96, 10.066, 324.761**.

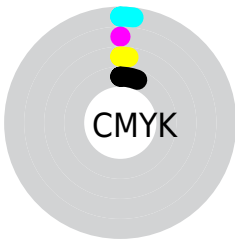
# Distribution



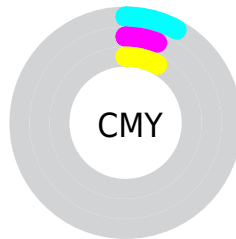
- Red (92%)
- Green (94%)
- Blue (92%)



- Red (92%)
- Yellow (94%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 2.503, 144.466 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, 2.503, 144.466 by changing the saturation by 10% instead.



94, 2.503, 144.466

94, 2.503, 144.466

100, 2.503,  
144.466

84, 2.503, 144.466

74, 2.503, 144.466

64, 2.503, 144.466

54, 2.503, 144.466

44, 2.503, 144.466

34, 2.503, 144.466

24, 2.503, 144.466

14, 2.503, 144.466

4, 2.503, 144.466

94, 2.503, 144.466

94, 2.503, 144.466

92, 17.637,  
143.753

96, 10.066,  
324.761

90, 32.858,  
143.023

88, 47.936,  
142.177

87, 62.557,  
141.207

85, 76.322,  
140.127

84, 88.733,  
138.983

84, 99.206,  
137.868

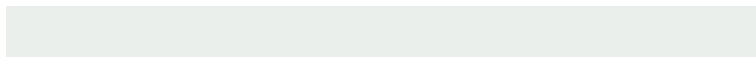
83, 107.120,  
136.920

 83,112.001,  
136.286

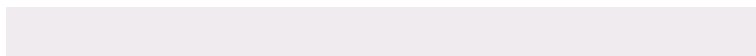
# Harmonies

# Complementary

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



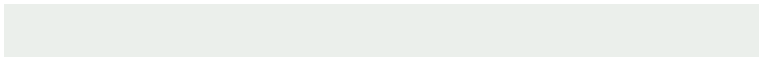
94, 2.503, 144.466



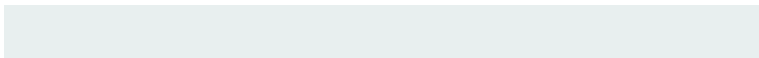
93, 2.525, 324.418

# Rectangle

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



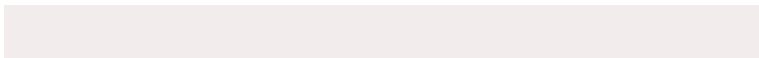
94, 2.503, 144.466



94, 2.503, 194.466



94, 2.503, 324.466



94, 2.503, 14.466

# Sweetspot

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



94, 2.506, 144.467



100, 1.571, 144.584



94, 2.045, 109.982



53, 0.893, 144.597



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

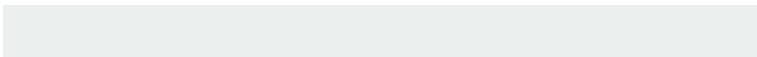
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 2.506, 144.467



100, 3.155, 144.429



94, 1.753, 163.778



50, 1.705, 144.441



65, 93.587, 136.016



19, 39.680, 137.802



# Inverse Universe

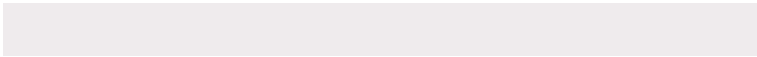
The Inverse Universe completely reimagines the original color for something new.



93, 2.525, 324.418



99, 3.176, 324.456



93, 1.772, 343.526



50, 1.716, 324.444



44, 90.295, 328.233

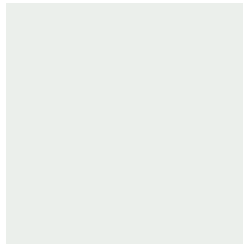


10, 39.418, 328.233



# Previews

## White Background



This preview shows how the CIE LCh color 94, 2.503, 144.466 looks on a white background.

## Color Contrast Check

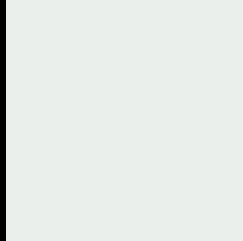
Large Text (above 18pt) WCAG AA × Fail

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, 2.503, 144.466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

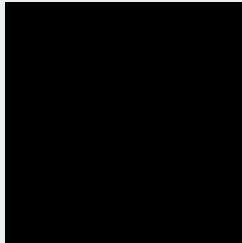
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

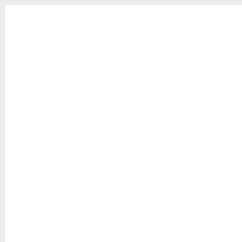
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 94, 2.503, 144.466

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 2.503, 144.466.

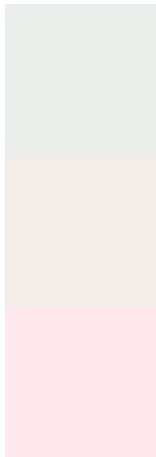


This preview shows how white text looks on a background with the CIELCh color 94, 2.503, 144.466.

# 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, 2.503, 144.466

### Protanopia

94, 2.623, 55.187

### Deuteranopia

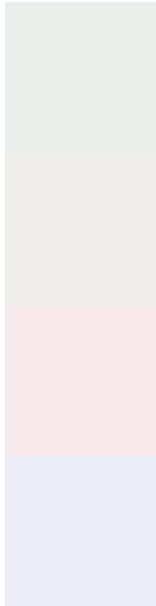
94, 8.657, 2.723





**Tritanopia**  
94, 9.316, 295.137

# Trichromacy



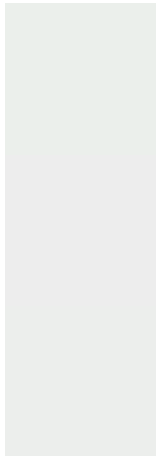
**Original Color**  
94, 2.503, 144.466

**Protanomaly**  
94, 2.158, 90.689

**Deuteranomaly**  
94, 5.121, 8.076

**Tritanomaly**  
94, 5.156, 290.594

# Monochromacy



**Original Color**  
94, 2.503, 144.466

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
94, 1.247, 144.631

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 2.503, 144.466 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(235, 239, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 239, 235)  
}
```

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(235, 239, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 239, 235) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 2.503, 144.466 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(235, 239, 235) }
```

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

```
.border{ border-color:rgb(235, 239, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 239, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 239, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 239, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 239,  
235) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 2.503, 144.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 239, 235) }
```

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

```
.background{ background-color: rgb(235,  
239, 235) }
```

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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