

# Converting Colors

CIELCh(94, 3.399, 229.987)

Have a look what the booklet for  
CIELCh(94, 3.399, 229.987) contains.

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# Color

**CIELCh(94, 3.438, 236.279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7EFF3
RGB	231, 239, 243
RGB Percent	91%, 94%, 95%
CMY	0.0937, 0.0623, 0.0467
CMYK	0.05, 0.02, 0.00, 0.05
HSL	200°, 34%, 93%
HSV	200°, 5%, 95%
XYZ	80.0732, 85.2715, 97.1096
YIQ	237.0640, -6.0520, -0.4520

# Conversions

## Conversions Part 2

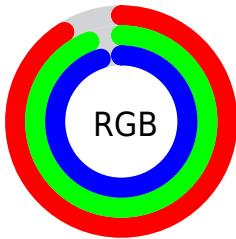
Format	Color
R <sub>Y</sub> B	231, 236, 243
Decimal	15200243
CIE Lab	94.00, -1.91, -2.86
CIE LCh	94, 3.438, 236.279
Yxy	85.2715, 0.3051, 0.3249
Android (android.graphics.Color)	4293390323 (0xFFE7EFF3)
YUV	237.0640, 2.9264, -5.3181
Hunter-Lab	92.3426, -6.8165, 2.2891

# Details

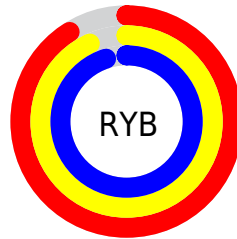
The CIELCh color **94, 3.438, 236.279** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 3.514, 55.105**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 3.602, 236.370** is the 20% darker color. If you saturate the color by 10%, you get **90, 10.201, 237.137**, and if you desaturate by 10%, it is **98, 3.451, 56.515**.

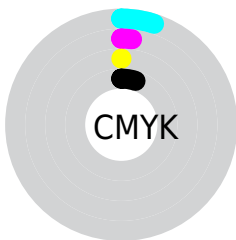
# Distribution



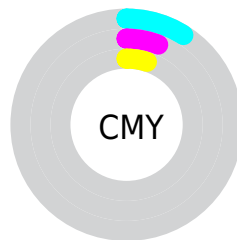
- Red (91%)
- Green (94%)
- Blue (95%)



- Red (91%)
- Yellow (93%)
- Blue (95%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (6%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 3.438, 236.279 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, 3.438, 236.279 by changing the saturation by 10% instead.



94, 3.438, 236.279

94, 3.438, 236.279

100, 3.438,  
236.279

84, 3.438, 236.279

74, 3.438, 236.279

64, 3.438, 236.279

54, 3.438, 236.279

44, 3.438, 236.279

34, 3.438, 236.279

24, 3.438, 236.279

14, 3.438, 236.279

4, 3.438, 236.279

94, 3.438, 236.279

94, 3.438, 236.279

90, 10.201,  
237.137

98, 3.451, 56.515

87, 16.651,  
238.375

100, 6.023,  
109.715

83, 22.714,  
239.942

80, 28.318,  
241.909

76, 33.401,  
244.361

73, 37.933,  
247.387

70, 41.934,  
251.062

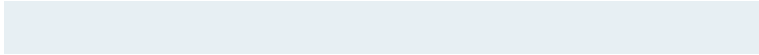
67, 45.496,  
255.414

■ 65, 48.791,  
260.379

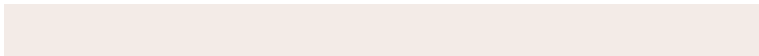
# Harmonies

# Complementary

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



94, 3.438, 236.279



94, 3.514, 55.105

# Rectangle

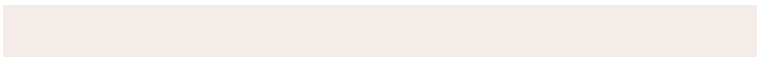
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



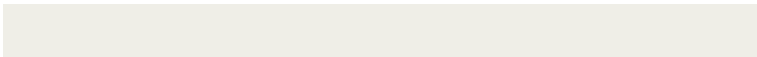
94, 3.438, 236.279



94, 3.438, 286.279



94, 3.438, 56.279



94, 3.438, 106.279

# Sweetspot

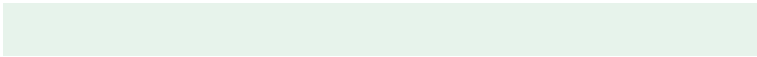
The Sweet Spot groups the original color and five complimentary colors.



94, 3.438, 236.239



100, 0.733, 236.535



95, 6.006, 154.689



53, 0.417, 236.572



0, 0.000, 0.000



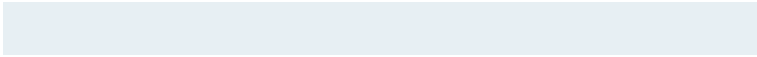
53, 0.007, 296.813



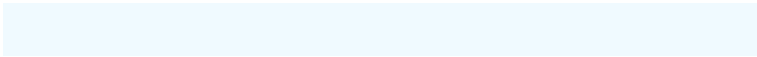


# Same Dimension

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



94, 3.438, 236.239



98, 4.334, 236.308



93, 5.114, 281.985



50, 2.777, 236.354



50, 40.891, 262.047



14, 16.902, 254.064



# Inverse Universe

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



93, 5.966, 335.931



96, 7.544, 336.020



95, 5.066, 100.802



49, 4.842, 336.070



41, 71.407, 347.404

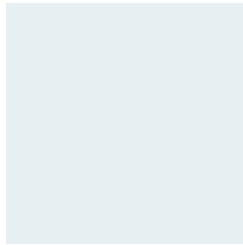


10, 32.625, 344.092



# Previews

## White Background



This preview shows how the CIELCh color 94, 3.438, 236.279 looks on a white background.

## Color Contrast Check

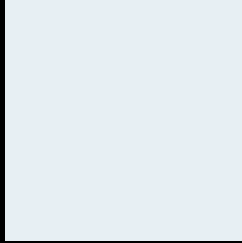
Large Text (above 18pt) WCAG AA × Fail

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, 3.438, 236.279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

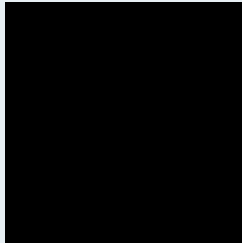
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

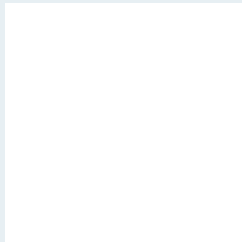
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 94, 3.438, 236.279**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 94, 3.438, 236.279.

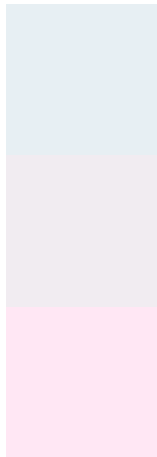


This preview shows how white text looks on a background with the CIELCh color 94, 3.438, 236.279.

# 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, 3.438, 236.279

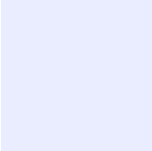
### Protanopia

94, 3.147, 324.462

### Deuteranopia

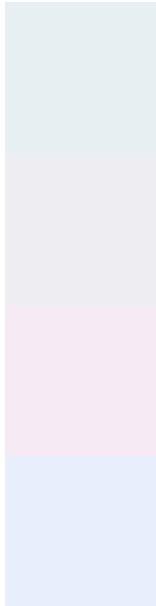
94, 10.867, 342.193





**Tritanopia**  
94, 9.350, 282.513

# Trichromacy



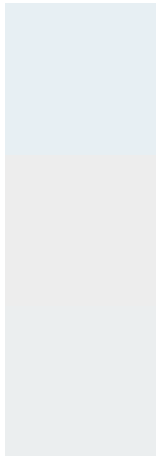
**Original Color**  
94, 3.438, 236.279

**Protanomaly**  
94, 2.583, 290.408

**Deuteranomaly**  
94, 6.706, 329.635

**Tritanomaly**  
94, 6.971, 273.515

# Monochromacy



**Original Color**  
94, 3.438, 236.279

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
94, 1.171, 226.007

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 3.438, 236.279 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(231, 239, 243)` looks like.

```
.text, #text, p{  
    color:rgb(231, 239, 243)  
}
```

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(231, 239, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 239, 243) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 3.438, 236.279 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(231, 239, 243) }
```

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

```
.border{ border-color:rgb(231, 239, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 239, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 239, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 239, 243); box-shadow:4px 4px 4px 4px rgb(231, 239, 243) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 3.438, 236.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 239, 243) }
```

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

```
.background{ background-color: rgb(231,  
239, 243) }
```

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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