

# Converting Colors

CIELCh(94, 2.074, 171.703)

Have a look what the booklet for  
CIELCh(94, 2.074, 171.703) contains.

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# **Color**

**CIELCh(94, 2.048, 169.478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAEFED
RGB	234, 239, 237
RGB Percent	92%, 94%, 93%
CMY	0.0827, 0.0631, 0.0709
CMYK	0.02, 0.00, 0.01, 0.06
HSL	156°, 13%, 93%
HSV	156°, 2%, 94%
XYZ	80.0198, 85.2715, 92.2980
YIQ	237.2770, -2.3380, -1.6820

# Conversions

## Conversions Part 2

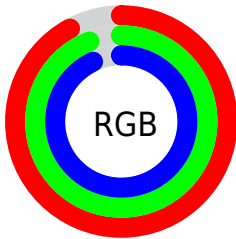
Format	Color
R <sub>Y</sub> B	234, 237, 239
Decimal	15396845
CIE Lab	94.00, -2.01, 0.37
CIE LCh	94, 2.048, 169.478
Yxy	85.2715, 0.3106, 0.3310
Android (android.graphics.Color)	4293586925 (0xFFEAEFED)
YUV	237.2770, -0.1366, -2.8739
Hunter-Lab	92.3426, -6.9196, 5.3784

# Details

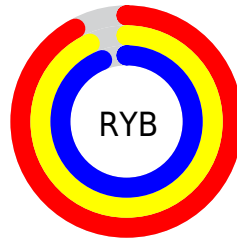
The CIELCh color **94, 2.048, 169.478** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 2.071, 349.328**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 2.155, 169.370** is the 20% darker color. If you saturate the color by 10%, you get **92, 11.847, 168.329**, and if you desaturate by 10%, it is **96, 6.913, 345.741**.

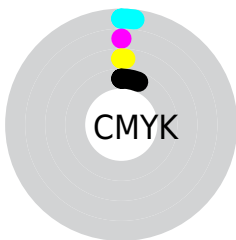
# Distribution



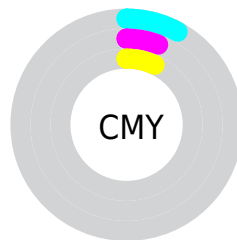
- Red (92%)
- Green (94%)
- Blue (93%)



- Red (92%)
- Yellow (93%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 2.048, 169.478 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, 2.048, 169.478 by changing the saturation by 10% instead.



 94, 2.048, 169.478

 94, 2.048, 169.478

 100, 2.048,  
169.478

 84, 2.048, 169.478

 74, 2.048, 169.478

 64, 2.048, 169.478

 54, 2.048, 169.478

 44, 2.048, 169.478

 34, 2.048, 169.478

 24, 2.048, 169.478

 14, 2.048, 169.478

 4, 2.048, 169.478

94, 2.048, 169.478

94, 2.048, 169.478

92, 11.847,  
168.329

96, 6.913, 345.741

90, 21.513,  
167.308

96, 10.025,  
324.759

89, 30.910,  
166.196

88, 39.876,  
164.964

86, 48.246,  
163.585

86, 55.861,  
162.033

85, 62.593,  
160.285

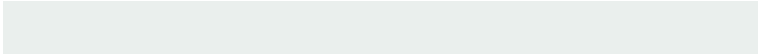
84, 68.377,  
158.324

■ 84, 73.230,  
156.151

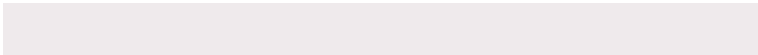
# Harmonies

# Complementary

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



94, 2.048, 169.478



93, 2.071, 349.328

# Rectangle

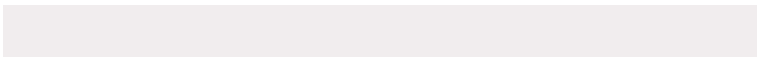
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



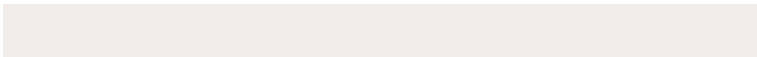
94, 2.048, 169.478



94, 2.048, 219.478



94, 2.048, 349.478



94, 2.048, 39.478

# Sweetspot

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



94, 2.050, 169.449



100, 1.028, 169.814



94, 2.774, 131.899



53, 0.584, 169.845



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

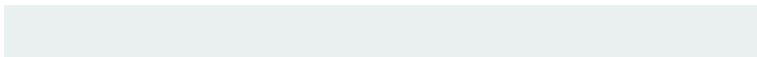
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 2.050, 169.449



99, 3.099, 169.293



94, 1.624, 207.286



50, 2.234, 169.188



66, 62.350, 154.758

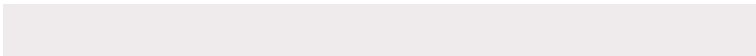


20, 25.469, 158.487

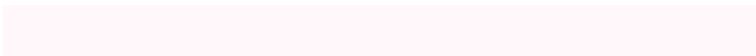


# Inverse Universe

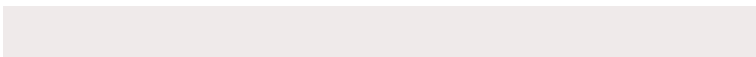
The Inverse Universe completely reimagines the original color for something new.



93, 2.071, 349.328



98, 3.130, 349.484



93, 1.645, 26.629



49, 2.257, 349.589



39, 66.256, 11.600

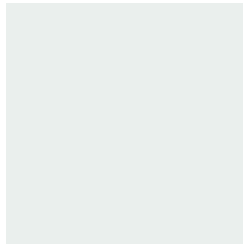


8, 28.842, 3.424



# Previews

## White Background



This preview shows how the CIE LCh color 94, 2.048, 169.478 looks on a white background.

## Color Contrast Check

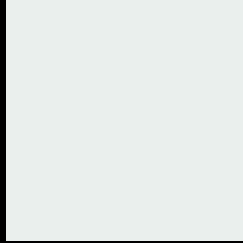
Large Text (above 18pt) WCAG AA × Fail

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, 2.048, 169.478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

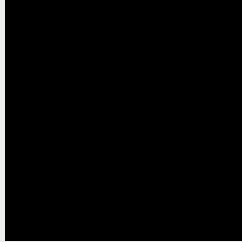
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

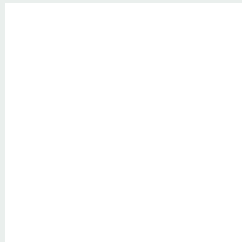
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 94, 2.048, 169.478**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 94, 2.048, 169.478.

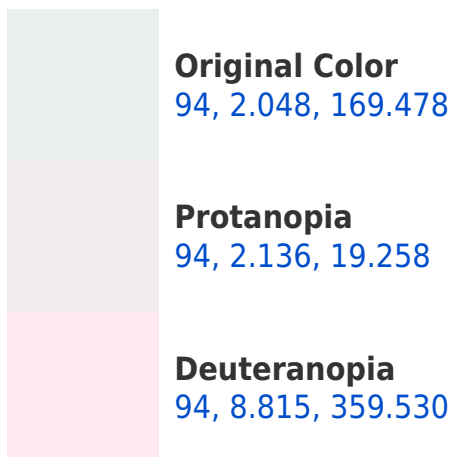


This preview shows how white text looks on a background with the CIELCh color 94, 2.048, 169.478.


# 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

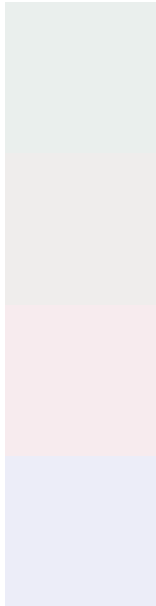






**Tritanopia**  
94, 9.806, 292.949

# Trichromacy



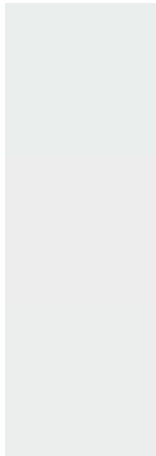
**Original Color**  
94, 2.048, 169.478

**Protanomaly**  
94, 0.866, 54.956

**Deuteranomaly**  
94, 4.560, 359.844

**Tritanomaly**  
94, 5.676, 287.132

# Monochromacy



**Original Color**  
94, 2.048, 169.478

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
94, 0.872, 164.112

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 2.048, 169.478 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(234, 239, 237)` looks like.

```
.text, #text, p{  
    color:rgb(234, 239, 237)  
}
```

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(234, 239, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 239, 237) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 2.048, 169.478 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(234, 239, 237) }
```

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

```
.border{ border-color:rgb(234, 239, 237) }
```

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

Here you see how a box with a 4 pixel rgb(234, 239, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 239, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 239, 237);  
box-shadow:4px 4px 4px 4px rgb(234, 239,  
237) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 2.048, 169.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 239, 237) }
```

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

```
.background{ background-color: rgb(234,  
239, 237) }
```

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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