

# Converting Colors

CIELCh(95, 3.657, 53.048)

Have a look what the booklet for  
CIELCh(95, 3.657, 53.048) contains.

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# **Color**

**CIELCh(95, 3.801, 51.993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8EFEB
RGB	248, 239, 235
RGB Percent	97%, 94%, 92%
CMY	0.0278, 0.0631, 0.0788
CMYK	0.00, 0.04, 0.05, 0.03
HSL	18°, 48%, 95%
HSV	18°, 5%, 97%
XYZ	84.5067, 87.6183, 90.9923
YIQ	241.2350, 6.6480, 0.6640

# Conversions

## Conversions Part 2

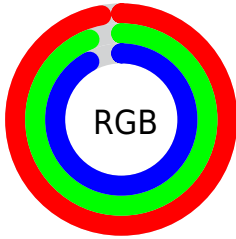
Format	Color
R <sub>Y</sub> B	248, 241, 235
Decimal	16314347
CIE Lab	95.00, 2.34, 2.99
CIE LCh	95, 3.801, 51.993
Yxy	87.6183, 0.3212, 0.3330
Android (android.graphics.Color)	4294504427 (0xFF8EFEB)
YUV	241.2350, -3.0739, 5.9329
Hunter-Lab	93.6047, -2.6575, 7.8880

# Details

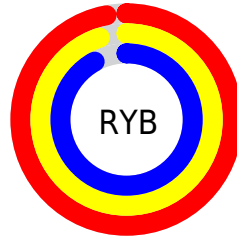
The CIELCh color **95, 3.801, 51.993** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **96, 3.705, 233.105**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **75, 4.010, 51.930** is the 20% darker color. If you saturate the color by 10%, you get **90, 11.477, 51.473**, and if you desaturate by 10%, it is **99, 2.455, 199.519**.

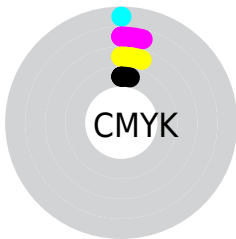
# Distribution



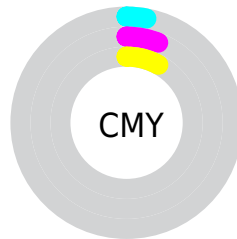
- Red (97%)
- Green (94%)
- Blue (92%)



- Red (97%)
- Yellow (95%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (3%)



- Cyan (3%)
- Magenta (6%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 3.801, 51.993 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 95, 3.801, 51.993 by changing the saturation by 10% instead.



 95, 3.801, 51.993

 95, 3.801, 51.993

 100, 3.801, 51.993

 85, 3.801, 51.993

 75, 3.801, 51.993

 65, 3.801, 51.993

 55, 3.801, 51.993

 45, 3.801, 51.993

 35, 3.801, 51.993

 25, 3.801, 51.993

 15, 3.801, 51.993

 5, 3.801, 51.993

95, 3.801, 51.993

95, 3.801, 51.993

90, 11.477, 51.473

99, 2.455, 199.519

85, 19.751, 50.893

81, 28.672, 50.385

76, 38.268, 49.979

72, 48.521, 49.688

68, 59.319, 49.500

65, 70.352, 49.337

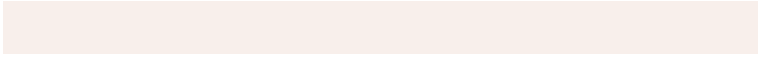
61, 80.895, 48.971

58, 89.503, 47.905

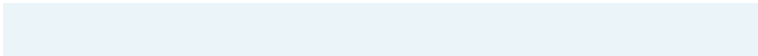
# Harmonies

# Complementary

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



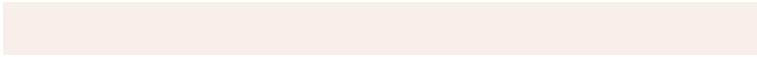
95, 3.801, 51.993



96, 3.705, 233.105

# Rectangle

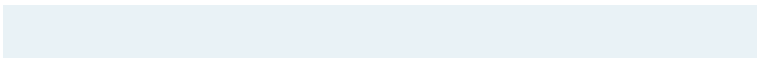
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 3.801, 51.993



95, 3.801, 101.993



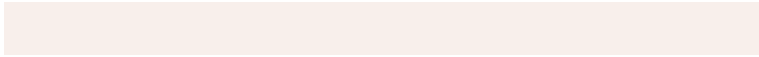
95, 3.801, 231.993



95, 3.801, 281.993

# Sweetspot

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



95, 3.801, 52.034



99, 1.463, 52.003



94, 6.594, 334.583



53, 0.831, 51.988



0, 0.000, 0.000

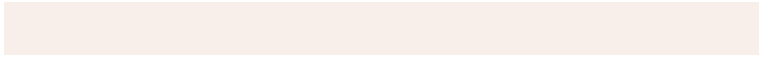


53, 0.007, 296.813

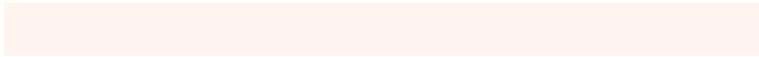


# Same Dimension

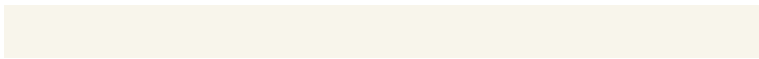
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 3.801, 52.034



97, 4.463, 52.001



97, 5.371, 99.775



50, 2.919, 51.971



44, 75.113, 47.768



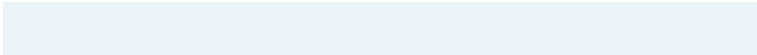
12, 27.223, 43.945





# Inverse Universe

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



96, 3.705, 233.105



98, 4.331, 233.147



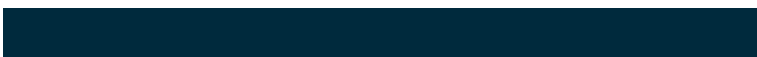
94, 5.420, 281.048



51, 2.822, 233.186



52, 39.586, 257.682

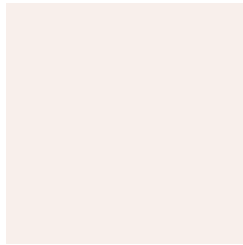


16, 16.904, 250.240



# Previews

## White Background



This preview shows how the CIELCh color 95, 3.801, 51.993 looks on a white background.

## Color Contrast Check

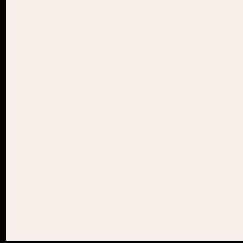
Large Text (above 18pt) WCAG AA × Fail

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 95, 3.801, 51.993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

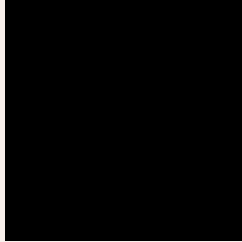
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

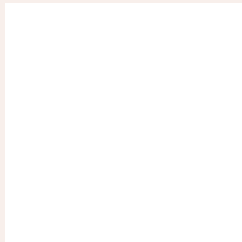
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 95, 3.801, 51.993

## Background



This preview shows how black text looks on a background with the CIELCh color 95, 3.801, 51.993.

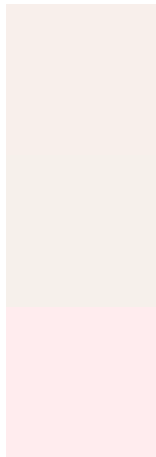


This preview shows how white text looks on a background with the CIELCh color 95, 3.801, 51.993.

# 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

95, 3.801, 51.993

### Protanopia

95, 3.319, 69.684

### Deuteranopia

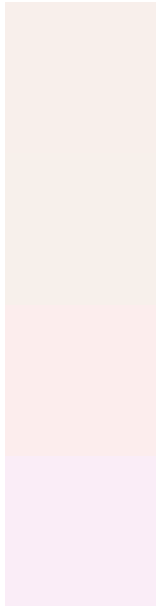
95, 6.891, 11.254



**Tritanopia**  
95, 10.683, 320.098



# Trichromacy



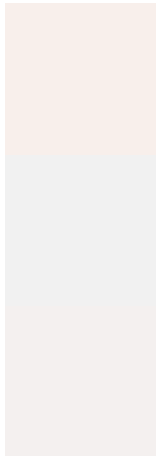
**Original Color**  
95, 3.801, 51.993

**Protanomaly**  
95, 3.561, 65.238

**Deuteranomaly**  
95, 5.372, 19.652

**Tritanomaly**  
95, 6.920, 331.906

# Monochromacy



**Original Color**  
95, 3.801, 51.993

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
95, 1.500, 39.015

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 3.801, 51.993 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(248, 239, 235)` looks like.

```
.text, #text, p{  
    color:rgb(248, 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(248, 239, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 239, 235) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 3.801, 51.993 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(248, 239, 235) }
```

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

```
.border{ border-color:rgb(248, 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(248, 239, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 239, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 239, 235);  
box-shadow:4px 4px 4px 4px rgb(248, 239,  
235) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 3.801, 51.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 239, 235) }
```

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

```
.background{ background-color: rgb(248,  
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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