

# Converting Colors

CIELCh(99, 0.746, 41.021)

Have a look what the booklet for  
CIELCh(99, 0.746, 41.021) contains.

<b>CIELCh(99, 0.856, 54.923)</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> .....	19
<i><b>Color Blindness Simulation</b></i> .....	22
<i><b>CSS Examples</b></i> .....	25

# **Color**

**CIELCh(99, 0.856, 54.923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFCFB
RGB	254, 252, 251
RGB Percent	100%, 99%, 98%
CMY	0.0049, 0.0127, 0.0167
CMYK	0.00, 0.01, 0.01, 0.00
HSL	20°, 55%, 99%
HSV	20°, 1%, 100%
XYZ	92.8860, 97.4360, 104.9707
YIQ	252.4840, 1.5130, 0.1130

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	254, 253, 251
Decimal	16710907
CIE Lab	99.00, 0.49, 0.70
CIE LCh	99, 0.856, 54.923
Yxy	97.4360, 0.3146, 0.3300
Android (android.graphics.Color)	4294900987 (0xFFFEFCFB)
YUV	252.4840, -0.7316, 1.3295
Hunter-Lab	98.7097, -4.7731, 6.0461

# Details

The CIELCh color 99, 0.856, 54.923 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 0.862, 236.645, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 0.737, 18.728 is the 20% darker color. If you saturate the color by 10%, you get 94, 8.432, 54.917, and if you desaturate by 10%, it is 100, 0.434, 200.905.

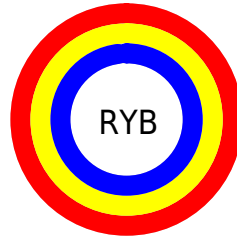
# Distribution



Red (100%)

Green (99%)

Blue (98%)



Red (100%)

Yellow (99%)

Blue (98%)



Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (1%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 0.856, 54.923 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 99, 0.856, 54.923 by changing the saturation by 10% instead.



 99, 0.856, 54.923

 99, 0.856, 54.923

100, 0.856, 54.923

 89, 0.856, 54.923

 79, 0.856, 54.923

 69, 0.856, 54.923

 59, 0.856, 54.923

 49, 0.856, 54.923

 39, 0.856, 54.923

 29, 0.856, 54.923

 19, 0.856, 54.923

 9, 0.856, 54.923

99, 0.856, 54.923

99, 0.856, 54.923

94, 8.432, 54.917

100, 0.434,  
200.905

90, 16.568, 54.196

85, 25.318, 53.515

81, 34.720, 52.909

76, 44.777, 52.392

72, 55.419, 51.962

68, 66.427, 51.568

65, 77.263, 51.055

62, 86.787, 50.054

# Harmonies

# Complementary

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



99, 0.856, 54.923



99, 0.862, 236.645

# Rectangle

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



99, 0.856, 54.923



99, 0.856, 104.923



99, 0.856, 234.923



99, 0.856, 284.923

# Sweetspot

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



99, 0.856, 55.103

100, 0.012, 296.813



99, 1.480, 335.467



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



99, 0.856, 55.103



100, 0.725, 54.992



99, 1.269, 102.074



53, 0.412, 54.954



45, 74.792, 49.120



13, 28.121, 46.555





# Inverse Universe

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



99, 0.862, 236.645



100, 0.733, 236.752



99, 1.293, 282.593



53, 0.417, 236.789



51, 41.902, 262.452



16, 18.010, 255.221



# Previews

## White Background



This preview shows how the CIE LCh color 99, 0.856, 54.923 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 99, 0.856, 54.923 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

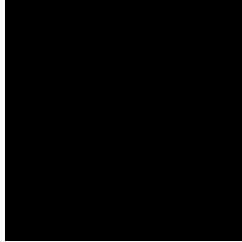
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 0.856, 54.923

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 0.856, 54.923.



This preview shows how white text looks on a background with the CIELCh color 99, 0.856, 54.923.

# 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

99, 0.856, 54.923

### Protanopia

99, 1.406, 19.030

### Deuteranopia

99, 1.502, 359.268

**Tritanopia**  
99, 1.581, 303.066

# Trichromacy

## Original Color

99, 0.856, 54.923

## Protanomaly

99, 1.406, 19.030

## Deuteranomaly

99, 1.502, 359.268

## Tritanomaly

99, 0.631, 323.976

# Monochromacy

## Original Color

99, 0.856, 54.923

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 0.352, 17.560



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 0.856, 54.923 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(254, 252, 251)` looks like.

```
.text, #text, p{  
    color:rgb(254, 252, 251)  
}
```

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(254, 252, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 252, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 0.856, 54.923 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(254, 252, 251) }
```

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

```
.border{ border-color:rgb(254, 252, 251) }
```

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

Here you see how a box with a 4 pixel rgb(254, 252, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 252, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 252, 251);  
box-shadow:4px 4px 4px 4px rgb(254, 252,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 0.856, 54.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 252, 251) }
```

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

```
.background{ background-color: rgb(254,  
252, 251) }
```

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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