

# Converting Colors

CIELCh(94, 40.057, 107.875)

Have a look what the booklet for  
CIELCh(94, 40.057, 107.875)  
contains.

<b>CIELCh(94, 40.425, 108.091)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(94, 40.425, 108.091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F3A3
RGB	241, 243, 163
RGB Percent	95%, 95%, 64%
CMY	0.0558, 0.0479, 0.3616
CMYK	0.01, 0.00, 0.33, 0.05
HSL	62°, 77%, 80%
HSV	62°, 33%, 95%
XYZ	74.7796, 85.2715, 47.0730
YIQ	233.2820, 24.4880, -25.3040

# Conversions

## Conversions Part 2

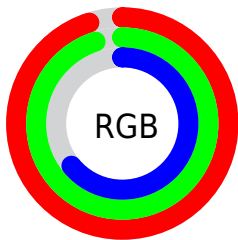
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 243, 165
Decimal	15856547
CIE <sub>Lab</sub>	94.00, -12.55, 38.43
CIE <sub>LCh</sub>	94, 40.425, 108.091
Yxy	85.2715, 0.3610, 0.4117
Android (android.graphics.Color)	4294046627 (0xFFFF1F3A3)
YUV	233.2820, -34.6490, 6.7687
Hunter-Lab	92.3426, -17.0491, 34.4159

# Details

The CIELCh color **94, 40.425, 108.091** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 43.891, 295.175**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.203, 108.801**, and **74, 40.568, 108.041** is the 20% darker color. If you saturate the color by 10%, you get **94, 52.132, 107.196**, and if you desaturate by 10%, it is **94, 28.346, 109.023**.

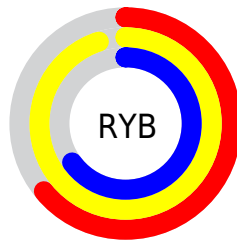
# Distribution



Red (95%)

Green (95%)

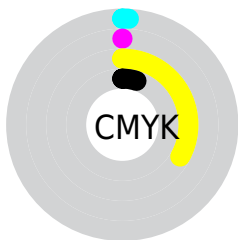
Blue (64%)



Red (64%)

Yellow (95%)

Blue (65%)

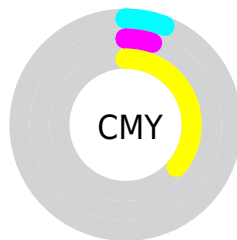


Cyan (1%)

Magenta (0%)

Yellow (33%)

Black (5%)



Cyan (6%)

Magenta (5%)


Yellow (36%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 40.425, 108.091 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, 40.425, 108.091 by changing the saturation by 10% instead.





 94, 40.425,  
108.091


 94, 40.425,  
108.091


 100, 40.425,  
108.091


 84, 40.425,  
108.091

 74, 40.425,  
108.091

 64, 40.425,  
108.091

 54, 40.425,  
108.091

 44, 40.425,  
108.091

 34, 40.425,  
108.091

 24, 40.425,

108.091

■ 14, 40.425,  
108.091

■ 4, 40.425, 108.091

■ 94, 40.425,  
108.091

■ 94, 40.425,  
108.091

■ 94, 52.132,  
107.196

■ 94, 28.346,  
109.023

■ 93, 63.208,  
106.359

■ 95, 16.052,  
109.961

■ 93, 73.278,  
105.619

■ 96, 3.652, 110.879

■ 93, 81.820,  
105.024

■ 96, 6.269, 292.026

■ 96, 6.280, 293.946

93, 88.236,  
104.620

96, 6.299, 295.860

93, 92.071,  
104.443

96, 6.324, 297.762

93, 93.430,  
104.435

96, 6.356, 299.650

96, 6.395, 301.518

# Harmonies

# Complementary

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



94, 40.425, 108.091



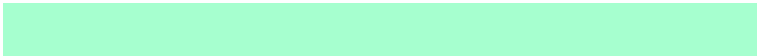
70, 43.891, 295.175

# Rectangle

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



94, 40.425, 108.091



94, 40.425, 158.091



94, 40.425, 288.091



94, 40.425, 338.091

# Sweetspot

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



94, 40.427, 108.094



99, 12.910, 110.233



75, 31.555, 23.515



53, 8.805, 110.102



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

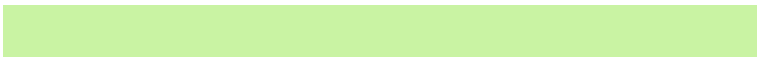
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 40.427, 108.094



98, 50.706, 107.447



91, 43.635, 128.109



51, 7.099, 110.283



73, 76.544, 104.409



24, 33.185, 104.572



# Inverse Universe

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



70, 43.891, 295.175



67, 56.308, 296.355



73, 45.644, 311.247



47, 7.259, 292.115



22, 105.506, 306.361

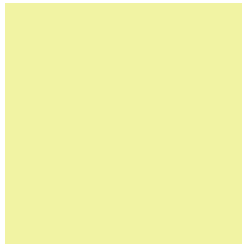


3, 39.974, 300.351



# Previews

## White Background



This preview shows how the CIELCh color 94, 40.425, 108.091 looks on a white background.

## Color Contrast Check

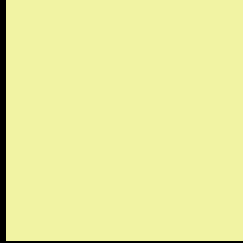
Large Text (above 18pt) WCAG AA × Fail

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, 40.425, 108.091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

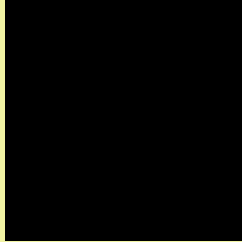
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 94, 40.425, 108.091

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 40.425, 108.091.

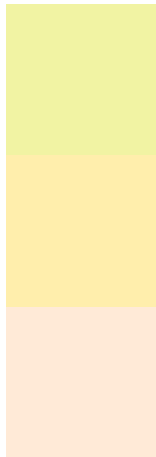


This preview shows how white text looks on a background with the CIELCh color 94, 40.425, 108.091.

# 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, 40.425, 108.091

### Protanopia

94, 34.284, 96.239

### Deuteranopia

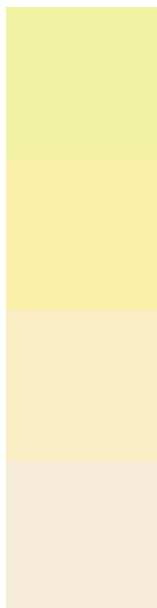
94, 12.495, 70.745





**Tritanopia**  
94, 11.473, 326.283

# Trichromacy



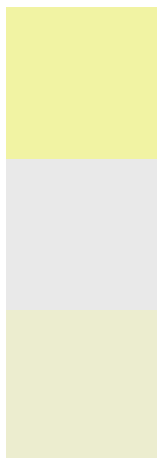
**Original Color**  
94, 40.425, 108.091

**Protanomaly**  
94, 36.265, 101.078

**Deuteranomaly**  
94, 21.563, 95.235

**Tritanomaly**  
94, 10.068, 85.742

# Monochromacy



**Original Color**  
94, 40.425, 108.091

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
93, 15.395, 110.329

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 40.425, 108.091 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(241, 243, 163)` looks like.

```
.text, #text, p{  
    color:rgb(241, 243, 163)  
}
```

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(241, 243, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 243, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 40.425, 108.091 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(241, 243, 163) }
```

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

```
.border{ border-color:rgb(241, 243, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 243, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 243, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 243, 163);  
box-shadow:4px 4px 4px 4px rgb(241, 243,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 40.425, 108.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 243, 163) }
```

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

```
.background{ background-color: rgb(241,  
243, 163) }
```

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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