

# Converting Colors

CIELCh(98, 56.502, 77.973)

Have a look what the booklet for  
CIELCh(98, 56.502, 77.973) contains.

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# **Color**

**CIELCh(94, 49.347, 98.208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEF8E
RGB	255, 239, 142
RGB Percent	100%, 94%, 56%
CMY	0.0000, 0.0621, 0.4428
CMYK	0.00, 0.06, 0.44, 0.00
HSL	52°, 100%, 78%
HSV	52°, 44%, 100%
XYZ	77.4886, 85.2715, 38.0018
YIQ	232.7260, 40.6730, -26.7750

# Conversions

## Conversions Part 2

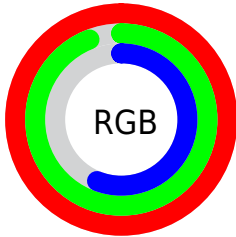
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	161, 255, 142
Decimal	16773006
CIE Lab	94.00, -7.05, 48.84
CIE LCh	94, 49.347, 98.208
Yxy	85.2715, 0.3860, 0.4247
Android (android.graphics.Color)	4294963086 (0xFFFFEF8E)
YUV	232.7260, -44.7279, 19.5343
Hunter-Lab	92.3426, -11.8125, 40.2401

# Details

The CIELCh color **94, 49.347, 98.208** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 53.501, 290.638**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 29.230, 107.956**, and **74, 49.342, 98.802** is the 20% darker color. If you saturate the color by 10%, you get **93, 59.755, 97.635**, and if you desaturate by 10%, it is **95, 38.349, 99.928**.

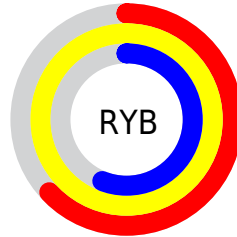
# Distribution



Red (100%)

Green (94%)

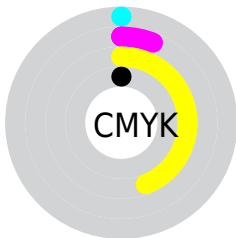
Blue (56%)



Red (63%)

Yellow (100%)

Blue (56%)

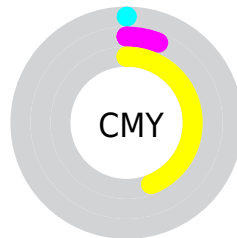


Cyan (0%)

Magenta (6%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 49.347, 98.208 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, 49.347, 98.208 by changing the saturation by 10% instead.



 94, 49.347, 98.208

 94, 49.347, 98.208

 100, 49.347,  
98.208

 84, 49.347, 98.208

 74, 49.347, 98.208

 64, 49.347, 98.208

 54, 49.347, 98.208

 44, 49.347, 98.208

 34, 49.347, 98.208

 24, 49.347, 98.208

 14, 49.347, 98.208

 4, 49.347, 98.208

94, 49.347, 98.208

94, 49.347, 98.208

93, 59.755, 97.635

95, 38.349, 99.928

92, 69.417, 96.512

97, 27.209,  
101.072

90, 77.690, 95.415

98, 15.991,  
102.197

89, 83.831, 94.344

89, 87.168, 93.271

99, 4.774, 103.276

88, 87.982, 92.646

100, 0.012,  
296.813

# Harmonies

# Complementary

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



94, 49.347, 98.208



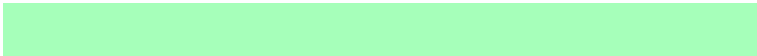
68, 53.501, 290.638

# Rectangle

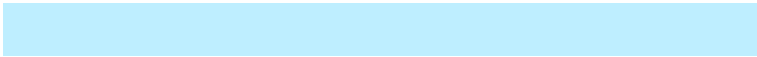
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 49.347, 98.208



94, 49.347, 148.208



94, 49.347, 278.208



94, 49.347, 328.208

# Sweetspot

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



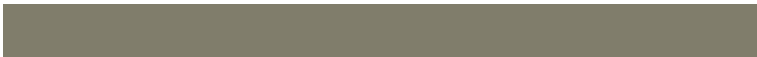
94, 49.275, 98.779



98, 14.557, 102.338



72, 45.461, 12.902



52, 10.190, 102.093



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, 49.275, 98.779



93, 58.453, 97.781



95, 58.081, 121.286



53, 6.361, 102.722



68, 70.964, 92.842



23, 31.845, 94.329





# Inverse Universe

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



68, 53.501, 290.638



61, 65.120, 292.621



67, 63.507, 306.650



49, 6.460, 284.879



25, 99.949, 304.168

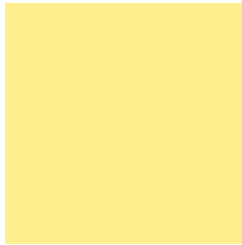


5, 39.664, 299.108



# Previews

## White Background



This preview shows how the CIELCh color 94, 49.347, 98.208 looks on a white background.

## Color Contrast Check

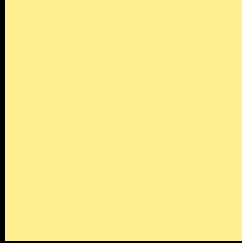
Large Text (above 18pt) WCAG AA × Fail

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, 49.347, 98.208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

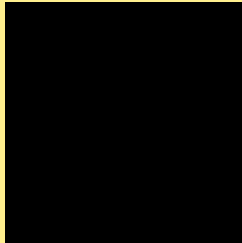
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 94, 49.347, 98.208**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 94, 49.347, 98.208.

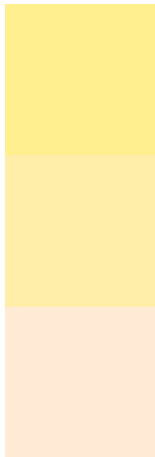


This preview shows how white text looks on a background with the CIELCh color 94, 49.347, 98.208.

# 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, 49.255, 98.696

### Protanopia

94, 35.762, 96.550

### Deuteranopia

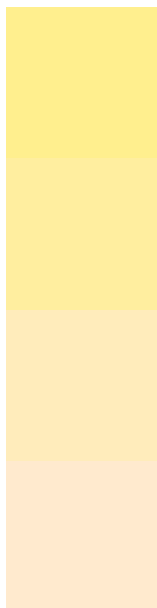
94, 13.329, 73.349



**Tritanopia**  
94, 10.279, 346.735



# Trichromacy



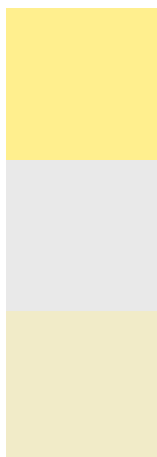
**Original Color**  
94, 49.255, 98.696

**Protanomaly**  
94, 40.665, 97.358

**Deuteranomaly**  
94, 26.146, 91.854

**Tritanomaly**  
94, 16.421, 80.227

# Monochromacy



**Original Color**  
94, 49.255, 98.696

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
93, 18.097, 101.564

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 49.347, 98.208 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(255, 239, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 142)  
}
```

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(255, 239, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 142) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 49.347, 98.208 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(255, 239, 142) }
```

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

```
.border{ border-color:rgb(255, 239, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
142) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 49.347, 98.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 142) }
```

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

```
.background{ background-color: rgb(255,  
239, 142) }
```

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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