

# Converting Colors

CIELCh(93, 35.830, 98.518)

Have a look what the booklet for  
CIELCh(93, 35.830, 98.518) contains.

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# Color

**CIELCh(93, 36.093, 98.477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAECA6
RGB	250, 236, 166
RGB Percent	98%, 93%, 65%
CMY	0.0201, 0.0750, 0.3495
CMYK	0.00, 0.06, 0.34, 0.02
HSL	50°, 89%, 82%
HSV	50°, 34%, 98%
XYZ	76.2088, 82.9670, 48.0165
YIQ	232.2060, 30.8140, -18.8020

# Conversions

## Conversions Part 2

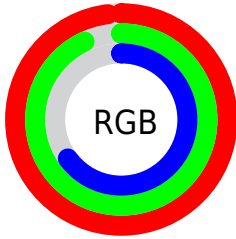
Format	Color
R <sub>Y</sub> B	183, 250, 166
Decimal	16444582
CIE Lab	93.00, -5.32, 35.70
CIE LCh	93, 36.093, 98.477
Yxy	82.9670, 0.3678, 0.4004
Android (android.graphics.Color)	4294634662 (0xFFFAECA6)
YUV	232.2060, -32.6396, 15.6053
Hunter-Lab	91.0862, -10.0559, 32.5054

# Details

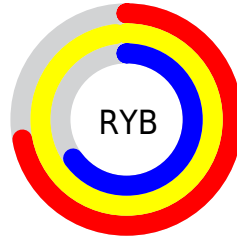
The CIELCh color **93, 36.093, 98.477** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75, 37.950, 287.180**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 16.691, 108.916**, and **73, 36.077, 98.540** is the 20% darker color. If you saturate the color by 10%, you get **92, 46.665, 97.292**, and if you desaturate by 10%, it is **94, 25.364, 99.657**.

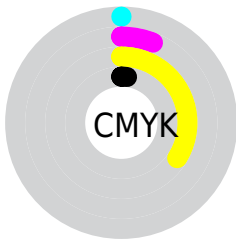
# Distribution



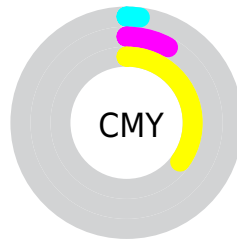
- Red (98%)
- Green (93%)
- Blue (65%)



- Red (72%)
- Yellow (98%)
- Blue (65%)



- Cyan (0%)
- Magenta (6%)
- Yellow (34%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (35%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 36.093, 98.477 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 93, 36.093, 98.477 by changing the saturation by 10% instead.



 93, 36.093, 98.477

 93, 36.093, 98.477

 100, 36.093,  
98.477

 83, 36.093, 98.477

 73, 36.093, 98.477

 63, 36.093, 98.477

 53, 36.093, 98.477

 43, 36.093, 98.477

 33, 36.093, 98.477

 23, 36.093, 98.477

 13, 36.093, 98.477

 3, 36.093, 98.477

93, 36.093, 98.477

93, 36.093, 98.477

92, 46.665, 97.292

94, 25.364, 99.657

90, 56.869, 96.098

96, 14.595,  
100.807

89, 66.362, 94.909

98, 3.854, 101.900

88, 74.605, 93.724

99, 1.557, 253.954

87, 80.865, 92.531

100, 1.780,  
199.665

85, 84.416, 91.290

85, 85.387, 90.458

# Harmonies

# Complementary

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



93, 36.093, 98.477



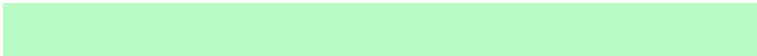
75, 37.950, 287.180

# Rectangle

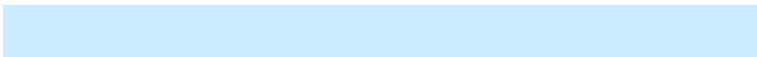
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 36.093, 98.477



93, 36.093, 148.477



93, 36.093, 278.477



93, 36.093, 328.477

# Sweetspot

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



93, 36.094, 98.481



98, 10.887, 101.212



77, 33.271, 9.713



52, 7.431, 101.055



0, 0.000, 0.000



53, 0.007, 296.813

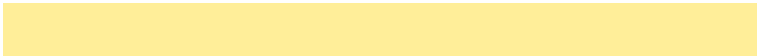


# Same Dimension

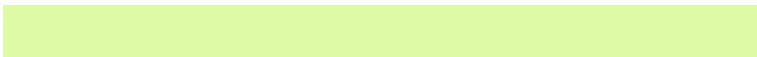
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 36.094, 98.481



94, 43.587, 97.717



95, 43.661, 121.175



51, 6.087, 101.269



66, 69.251, 90.698



21, 30.081, 92.552





# Inverse Universe

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



75, 37.950, 287.180



71, 46.434, 288.434



73, 46.647, 305.263



48, 6.172, 283.472



26, 96.644, 303.480

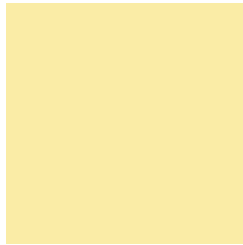


5, 37.087, 297.692



# Previews

## White Background



This preview shows how the CIE LCh color 93, 36.093, 98.477 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 93, 36.093, 98.477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

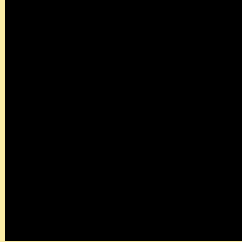
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 93, 36.093, 98.477**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 93, 36.093, 98.477.



This preview shows how white text looks on a background with the CIELCh color 93, 36.093, 98.477.

# 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

93, 36.093, 98.477

### Protanopia

93, 36.416, 95.982

### Deuteranopia

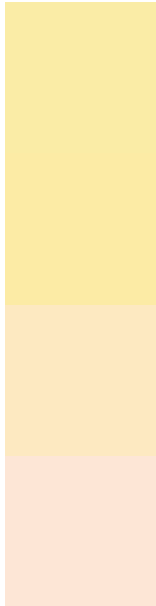
93, 14.481, 70.819



**Tritanopia**  
93, 12.649, 342.641



# Trichromacy



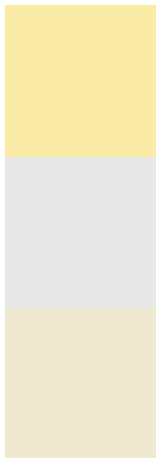
**Original Color**  
93, 36.093, 98.477

**Protanomaly**  
93, 36.335, 96.599

**Deuteranomaly**  
93, 21.942, 88.067

**Tritanomaly**  
93, 11.880, 63.466

# Monochromacy



**Original Color**  
93, 36.093, 98.477

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 12.987, 100.919

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 36.093, 98.477 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(250, 236, 166)` looks like.

```
.text, #text, p{  
    color:rgb(250, 236, 166)  
}
```

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(250, 236, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 236, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 36.093, 98.477 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(250, 236, 166) }
```

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

```
.border{ border-color:rgb(250, 236, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 236, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 236, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 236, 166);  
box-shadow:4px 4px 4px 4px rgb(250, 236,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 36.093, 98.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 236, 166) }
```

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

```
.background{ background-color: rgb(250,  
236, 166) }
```

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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