

# Converting Colors

CIELCh(100, 48.486, 69.636)

Have a look what the booklet for  
CIELCh(100, 48.486, 69.636)  
contains.

<b>CIELCh(95, 37.931, 98.814)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(95, 37.931, 98.814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2A8
RGB	255, 242, 168
RGB Percent	100%, 95%, 66%
CMY	0.0000, 0.0517, 0.3421
CMYK	0.00, 0.05, 0.34, 0.00
HSL	51°, 100%, 83%
HSV	51°, 34%, 100%
XYZ	80.2804, 87.6183, 49.6083
YIQ	237.4510, 31.5020, -20.2580

# Conversions

## Conversions Part 2

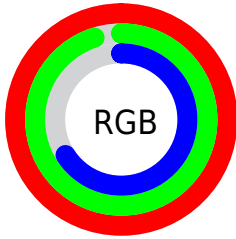
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 255, 168
Decimal	16773800
CIE <sub>Lab</sub>	95.00, -5.81, 37.48
CIE <sub>LCh</sub>	95, 37.931, 98.814
Yxy	87.6183, 0.3691, 0.4028
Android (android.graphics.Color)	4294963880 (0xFFFFF2A8)
YUV	237.4510, -34.2393, 15.3905
Hunter-Lab	93.6047, -10.7170, 34.1010

# Details

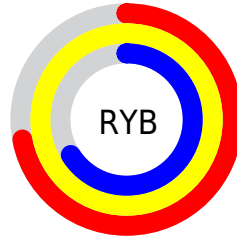
The CIELCh color **95, 37.931, 98.814** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75, 40.040, 288.086**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 15.682, 108.992**, and **75, 37.860, 99.506** is the 20% darker color. If you saturate the color by 10%, you get **94, 48.727, 98.139**, and if you desaturate by 10%, it is **96, 26.843, 100.464**.

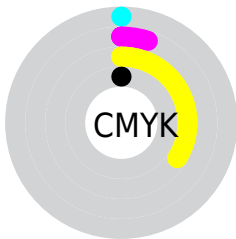
# Distribution



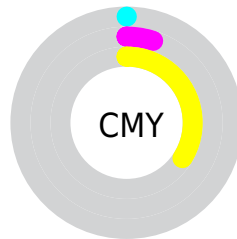
- Red (100%)
- Green (95%)
- Blue (66%)



- Red (72%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (5%)
- Yellow (34%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 37.931, 98.814 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, 37.931, 98.814 by changing the saturation by 10% instead.



 95, 37.931, 98.814

 95, 37.931, 98.814

 100, 37.931,  
98.814

 85, 37.931, 98.814

 75, 37.931, 98.814

 65, 37.931, 98.814

 55, 37.931, 98.814

 45, 37.931, 98.814

 35, 37.931, 98.814

 25, 37.931, 98.814

 15, 37.931, 98.814

 5, 37.931, 98.814

95, 37.931, 98.814

95, 37.931, 98.814

94, 48.727, 98.139

96, 26.843,  
100.464

92, 59.150, 96.974

98, 15.739,  
101.601

91, 68.782, 95.822

90, 77.058, 94.688

99, 4.646, 102.689

89, 83.229, 93.564

100, 0.012,  
296.813

88, 86.601, 92.419

87, 87.430, 91.735

# Harmonies

# Complementary

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



95, 37.931, 98.814



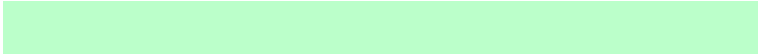
75, 40.040, 288.086

# Rectangle

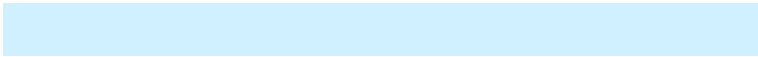
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95, 37.931, 98.814



95, 37.931, 148.814



95, 37.931, 278.814



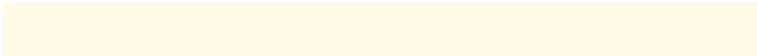
95, 37.931, 328.814

# Sweetspot

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



95, 37.884, 99.306



98, 11.062, 102.069



78, 34.474, 9.815



52, 7.550, 101.913



0, 0.000, 0.000

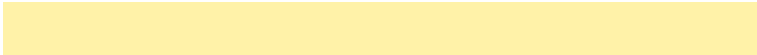


53, 0.007, 296.813



# Same Dimension

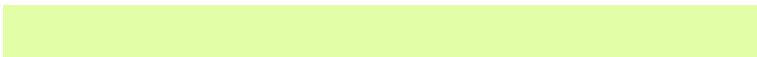
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 37.884, 99.306



94, 45.277, 98.514



96, 45.157, 121.140



53, 6.288, 102.123



67, 70.522, 91.950



23, 31.580, 93.547





# Inverse Universe

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



75, 40.040, 288.086



70, 48.582, 289.413



74, 48.316, 305.313



49, 6.382, 284.302



26, 99.034, 303.901



5, 39.313, 298.862



# Previews

## White Background



This preview shows how the CIE LCh color 95, 37.931, 98.814 looks on a white background.

## Color Contrast Check

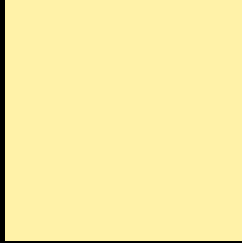
Large Text (above 18pt) WCAG AA × Fail

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 95, 37.931, 98.814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

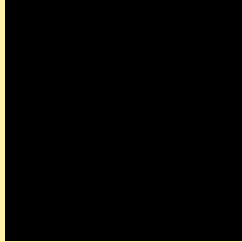
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 95, 37.931, 98.814**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 95, 37.931, 98.814.

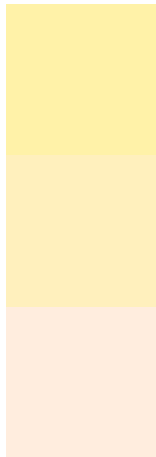


This preview shows how white text looks on a background with the CIELCh color 95, 37.931, 98.814.

# 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, 37.845, 99.423

### Protanopia

95, 26.650, 95.601

### Deuteranopia

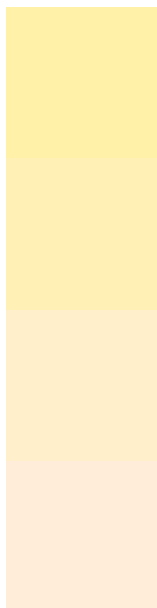
95, 10.131, 68.792



**Tritanopia**  
95, 9.093, 341.628



# Trichromacy



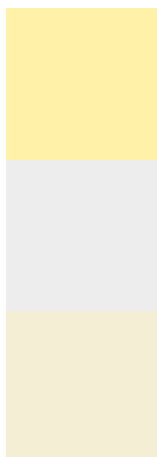
**Original Color**  
95, 37.845, 99.423

**Protanomaly**  
95, 31.014, 97.655

**Deuteranomaly**  
95, 19.866, 90.933

**Tritanomaly**  
95, 11.788, 75.019

# Monochromacy



**Original Color**  
95, 37.845, 99.423

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
94, 13.938, 101.449

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 95, 37.931, 98.814 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, 242, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 168)  
}
```

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, 242, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 95, 37.931, 98.814 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, 242, 168) }
```

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

```
.border{ border-color:rgb(255, 242, 168) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 95, 37.931, 98.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 168) }
```

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

```
.background{ background-color: rgb(255,  
242, 168) }
```

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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