

# Converting Colors

CIELCh(92, 53.385, 97.789)

Have a look what the booklet for  
CIELCh(92, 53.385, 97.789) contains.

<b>CIELCh(92, 53.401, 97.440)</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> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(92, 53.401, 97.440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE980
RGB	252, 233, 128
RGB Percent	99%, 91%, 50%
CMY	0.0109, 0.0854, 0.4972
CMYK	0.00, 0.08, 0.49, 0.01
HSL	51°, 96%, 75%
HSV	51°, 49%, 99%
XYZ	73.3394, 80.7044, 32.2051
YIQ	226.7110, 45.0290, -28.6270

# Conversions

## Conversions Part 2

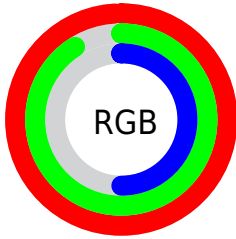
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 252, 128
Decimal	16574848
CIELab	92.00, -6.91, 52.95
CIELCh	92, 53.401, 97.440
Yxy	80.7044, 0.3938, 0.4333
Android (android.graphics.Color)	4294764928 (0xFFFC980)
YUV	226.7110, -48.6645, 22.1785
Hunter-Lab	89.8356, -11.4897, 41.6301

# Details

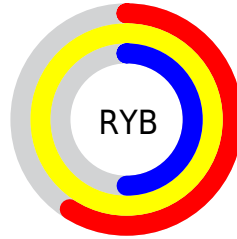
The CIELCh color **92, 53.401, 97.440** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **64, 58.491, 291.094**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **72, 53.707, 97.774** is the 20% darker color. If you saturate the color by 10%, you get **91, 63.395, 96.280**, and if you desaturate by 10%, it is **93, 42.837, 98.614**.

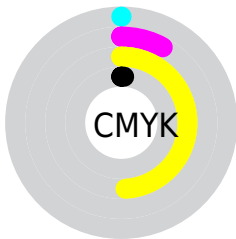
# Distribution



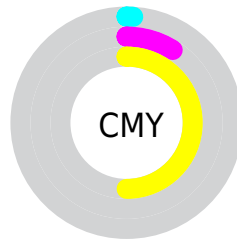
- Red (99%)
- Green (91%)
- Blue (50%)



- Red (59%)
- Yellow (99%)
- Blue (50%)



- Cyan (0%)
- Magenta (8%)
- Yellow (49%)
- Black (1%)



- Cyan (1%)
- Magenta (9%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 53.401, 97.440 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 92, 53.401, 97.440 by changing the saturation by 10% instead.



92, 53.401, 97.440

92, 53.401, 97.440

100, 53.401,  
97.440

82, 53.401, 97.440

72, 53.401, 97.440

62, 53.401, 97.440

52, 53.401, 97.440

42, 53.401, 97.440

32, 53.401, 97.440

22, 53.401, 97.440

12, 53.401, 97.440

2, 53.401, 97.440

92, 53.401, 97.440

92, 53.401, 97.440

91, 63.395, 96.280

93, 42.837, 98.614

90, 72.361, 95.132

95, 31.986, 99.780

88, 79.638, 93.998

96, 21.018,  
100.930

87, 84.460, 92.858

98, 10.031,  
102.051

86, 86.500, 91.675

99, 0.917, 283.335

86, 86.617, 91.576

100, 0.962,  
200.033

# Harmonies

# Complementary

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



92, 53.401, 97.440



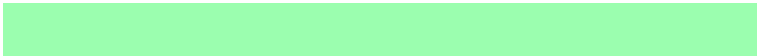
64, 58.491, 291.094

# Rectangle

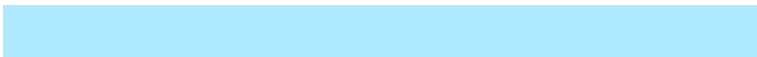
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92, 53.401, 97.440



92, 53.401, 147.440



92, 53.401, 277.440



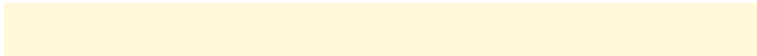
92, 53.401, 327.440

# Sweetspot

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



92, 53.402, 97.443



98, 16.581, 101.402



68, 50.362, 12.674



52, 11.317, 101.163



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

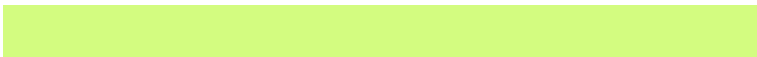
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 53.402, 97.443



92, 63.790, 96.296



94, 63.286, 120.386



52, 6.172, 102.016



66, 69.749, 91.799



22, 30.394, 93.525





# Inverse Universe

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



64, 58.491, 291.094



58, 72.133, 293.518



63, 70.235, 306.549



48, 6.264, 284.194



25, 97.813, 303.832



5, 37.483, 297.988



# Previews

## White Background



This preview shows how the CIELCh color 92, 53.401, 97.440 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 92, 53.401, 97.440 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 92, 53.401, 97.440

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 53.401, 97.440.

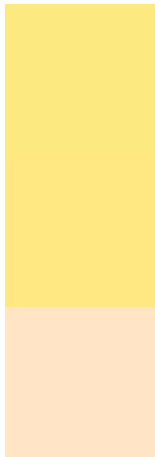


This preview shows how white text looks on a background with the CIELCh color 92, 53.401, 97.440.

# 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


92, 53.401, 97.440

### Protanopia

92, 52.801, 95.585

### Deuteranopia

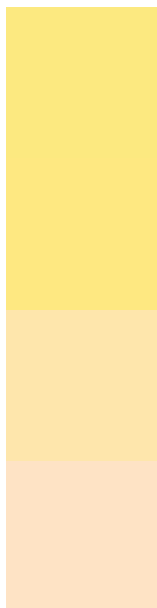
92, 19.070, 76.124



**Tritanopia**  
92, 12.760, 351.318



# Trichromacy



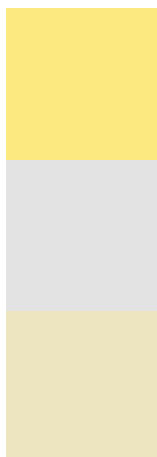
**Original Color**  
92, 53.401, 97.440

**Protanomaly**  
92, 52.720, 96.027

**Deuteranomaly**  
92, 31.288, 90.121

**Tritanomaly**  
92, 18.646, 75.336

# Monochromacy



**Original Color**  
92, 53.401, 97.440

**Achromatopsia**  
90, 0.011, 296.813

**Achromatomaly**  
91, 19.762, 100.820

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 53.401, 97.440 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(252, 233, 128)` looks like.

```
.text, #text, p{  
    color:rgb(252, 233, 128)  
}
```

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(252, 233, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 233, 128) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 53.401, 97.440 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(252, 233, 128) }
```

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

```
.border{ border-color:rgb(252, 233, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 233, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 233, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 233, 128);  
box-shadow:4px 4px 4px 4px rgb(252, 233,  
128) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 53.401, 97.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 233, 128) }
```

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

```
.background{ background-color: rgb(252,  
233, 128) }
```

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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