

# Converting Colors

CIELCh(91, 74.836, 99.436)

Have a look what the booklet for  
CIELCh(91, 74.836, 99.436) contains.

<b>CIELCh(91, 75.064, 99.542)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(91, 75.064, 99.542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E94C
RGB	247, 233, 76
RGB Percent	97%, 91%, 30%
CMY	0.0319, 0.0867, 0.7024
CMYK	0.00, 0.06, 0.69, 0.03
HSL	55°, 91%, 63%
HSV	55°, 69%, 97%
XYZ	68.7197, 78.4833, 18.3423
YIQ	219.2880, 58.7410, -45.8590

# Conversions

## Conversions Part 2

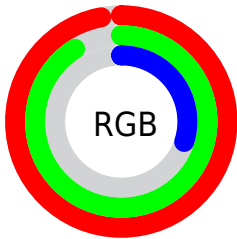
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">91, 247, 76</a>
Decimal	<a href="#">16247116</a>
CIELab	<a href="#">91.00, -12.44, 74.03</a>
CIELCh	<a href="#">91, 75.064, 99.542</a>
Yxy	<a href="#">78.4833, 0.4151, 0.4741</a>
Android (android.graphics.Color)	<a href="#">4294437196</a> ( <a href="#">0xFFFF7E94C</a> )
YUV	<a href="#">219.2880, -70.6410, 24.3034</a>
Hunter-Lab	<a href="#">88.5908, -16.5720, 49.7379</a>

# Details

The CIELCh color **91, 75.064, 99.542** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **46, 91.533, 299.128**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 59.971, 105.587**, and **71, 74.105, 99.711** is the 20% darker color. If you saturate the color by 10%, you get **90, 82.239, 98.694**, and if you desaturate by 10%, it is **92, 66.080, 100.482**.

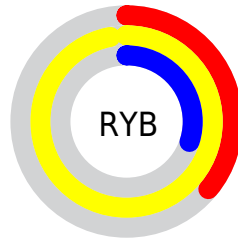
# Distribution



Red (97%)

Green (91%)

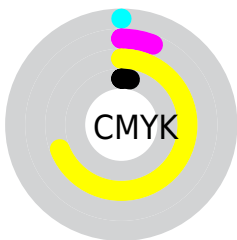
Blue (30%)



Red (36%)

Yellow (97%)

Blue (30%)

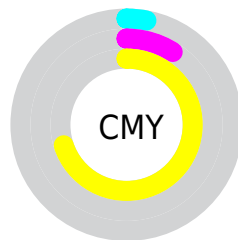


Cyan (0%)

Magenta (6%)

Yellow (69%)

Black (3%)



Cyan (3%)

Magenta (9%)

Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 75.064, 99.542 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 91, 75.064, 99.542 by changing the saturation by 10% instead.



91, 75.064, 99.542

91, 75.064, 99.542

100, 75.064,  
99.542

81, 75.064, 99.542

71, 75.064, 99.542

61, 75.064, 99.542

51, 75.064, 99.542

41, 75.064, 99.542

31, 75.064, 99.542

21, 75.064, 99.542

11, 75.064, 99.542

1, 75.064, 99.542

91, 75.064, 99.542

91, 75.064, 99.542

90, 82.239, 98.694

92, 66.080,  
100.482

90, 86.940, 97.945

92, 55.918,  
101.484

89, 88.997, 97.281

89, 89.107, 97.234

93, 45.046,  
102.528

94, 33.774,  
103.590

95, 22.293,  
104.655

96, 10.723,  
105.704

97, 0.866, 286.879

98, 3.128, 276.548



# Harmonies

# Complementary

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



91, 75.064, 99.542



46, 91.533, 299.128

# Rectangle

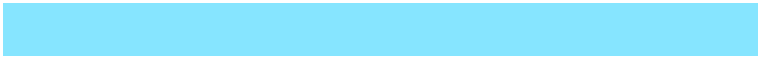
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 75.064, 99.542



91, 75.064, 149.542



91, 75.064, 279.542



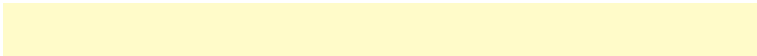
91, 75.064, 329.542

# Sweetspot

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



91, 75.064, 99.545



98, 24.944, 104.466



58, 72.004, 24.731



52, 16.872, 104.172



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



91, 75.064, 99.545



93, 86.484, 98.392



90, 85.309, 123.235



51, 6.535, 105.681



69, 72.157, 97.338



22, 30.995, 98.466



# Inverse Universe

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



46, 91.533, 299.128



40, 113.399, 302.544



50, 97.475, 310.224



47, 6.658, 287.725



23, 101.816, 305.268



4, 37.636, 298.385



# Previews

## White Background



This preview shows how the CIELCh color 91, 75.064, 99.542 looks on a white background.

## Color Contrast Check

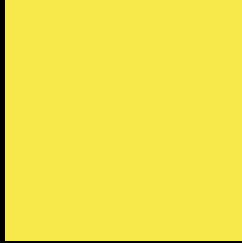
Large Text (above 18pt) WCAG AA × Fail

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 91, 75.064, 99.542 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 91, 75.064, 99.542

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 75.064, 99.542.



This preview shows how white text looks on a background with the CIELCh color 91, 75.064, 99.542.

# 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

91, 75.064, 99.542


### Protanopia

91, 68.002, 95.704

### Deuteranopia

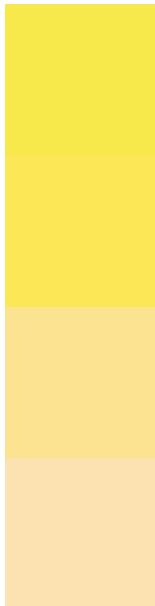
91, 23.577, 77.749





**Tritanopia**  
91, 14.550, 350.672

# Trichromacy



**Original Color**  
91, 75.064, 99.542

**Protanomaly**  
91, 70.518, 97.192

**Deuteranomaly**  
91, 43.164, 93.063

**Tritanomaly**  
91, 27.012, 85.024

# Monochromacy



**Original Color**  
91, 75.064, 99.542

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
88, 29.459, 103.891

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 75.064, 99.542 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(247, 233, 76)` looks like.

```
.text, #text, p{  
    color:rgb(247, 233, 76)  
}
```

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(247, 233, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 233, 76) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 75.064, 99.542 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(247, 233, 76) }
```

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

```
.border{ border-color:rgb(247, 233, 76) }
```

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

Here you see how a box with a 4 pixel rgb(247, 233, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 233, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 233, 76);  
box-shadow:4px 4px 4px 4px rgb(247, 233,  
76) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 75.064, 99.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 233, 76) }
```

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

```
.background{ background-color: rgb(247,  
233, 76) }
```

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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