

# Converting Colors

CIELCh(93, 84.091, 107.850)

Have a look what the booklet for  
CIELCh(93, 84.091, 107.850)  
contains.

<b>CIELCh(93, 84.289, 107.864)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(93, 84.289, 107.864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F63E
RGB	231, 246, 62
RGB Percent	91%, 96%, 24%
CMY	0.0956, 0.0367, 0.7585
CMYK	0.06, 0.00, 0.75, 0.04
HSL	65°, 91%, 60%
HSV	65°, 75%, 96%
XYZ	66.5415, 82.9670, 17.0054
YIQ	220.5390, 50.1240, -60.4040

# Conversions

## Conversions Part 2

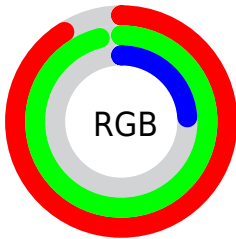
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 246, 77
Decimal	15201854
CIELab	93.00, -25.86, 80.23
CIELCh	93, 84.289, 107.864
Yxy	82.9670, 0.3996, 0.4983
Android (android.graphics.Color)	4293391934 (0xFFE7F63E)
YUV	220.5390, -78.1597, 9.1743
Hunter-Lab	91.0862, -29.0007, 52.6912

# Details

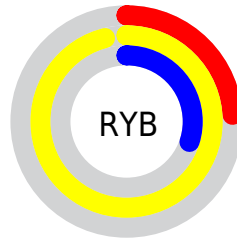
The CIELCh color **93, 84.289, 107.864** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **41, 107.124, 304.024**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 64.428, 105.247**, and **73, 78.232, 108.973** is the 20% darker color. If you saturate the color by 10%, you get **93, 90.330, 107.688**, and if you desaturate by 10%, it is **93, 75.999, 108.291**.

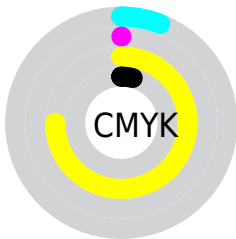
# Distribution



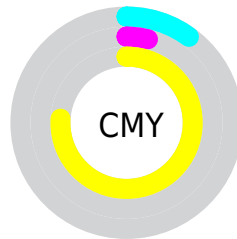
- Red (91%)
- Green (96%)
- Blue (24%)



- Red (24%)
- Yellow (96%)
- Blue (30%)



- Cyan (6%)
- Magenta (0%)
- Yellow (75%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 84.289, 107.864 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, 84.289, 107.864 by changing the saturation by 10% instead.





 93, 84.289,  
107.864

 93, 84.289,  
107.864

 100, 84.289,  
107.864


 83, 84.289,  
107.864

 73, 84.289,  
107.864

 63, 84.289,  
107.864

 53, 84.289,  
107.864

 43, 84.289,  
107.864

 33, 84.289,  
107.864

 23, 84.289,

107.864

■ 13, 84.289,  
107.864

■ 3, 84.289, 107.864

■ 93, 84.289,  
107.864

■ 93, 84.289,  
107.864

■ 93, 90.330,  
107.688

■ 93, 75.999,  
108.291

■ 93, 93.731,  
107.803

■ 94, 66.059,  
108.898

■ 92, 94.682,  
107.947

■ 94, 55.016,  
109.627

■ 95, 43.276,  
110.430

■ 95, 31.115,  
111.271

■ 96, 18.712,  
112.125

■ 96, 6.182, 112.970

■ 97, 4.806, 294.759

■ 97, 4.915, 302.868

# Harmonies

# Complementary

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



93, 84.289, 107.864



41, 107.124, 304.024

# Rectangle

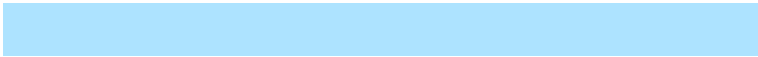
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 84.289, 107.864



93, 84.289, 157.864



93, 84.289, 287.864



93, 84.289, 337.864

# Sweetspot

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



93, 84.289, 107.866



98, 28.349, 111.517



57, 78.603, 34.970



52, 19.021, 111.285



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, 84.289, 107.866



96, 95.103, 107.711



88, 94.028, 128.560



51, 7.113, 112.588



72, 76.874, 107.862



23, 33.264, 107.677



# Inverse Universe

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



41, 107.124, 304.024



35, 127.754, 305.967



50, 102.846, 314.355



47, 7.272, 294.242



22, 105.203, 306.538

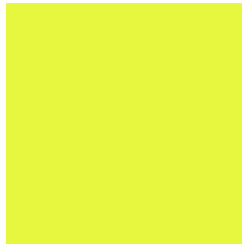


3, 40.144, 301.651



# Previews

## White Background



This preview shows how the CIELCh color 93, 84.289, 107.864 looks on a white background.

## Color Contrast Check

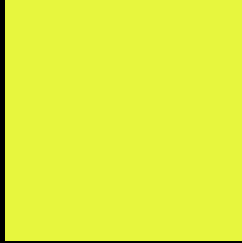
Large Text (above 18pt) WCAG AA × Fail

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, 84.289, 107.864 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, 84.289, 107.864

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 84.289, 107.864.

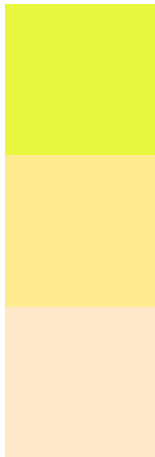


This preview shows how white text looks on a background with the CIELCh color 93, 84.289, 107.864.

# 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, 84.289, 107.864

**Protanopia**

93, 46.786, 96.453

**Deuteranopia**

93, 17.952, 78.428



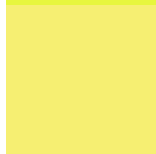


**Tritanopia**  
93, 11.298, 324.817

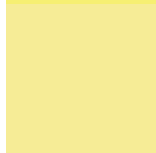
# Trichromacy



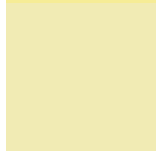
**Original Color**  
93, 84.289, 107.864



**Protanomaly**  
93, 61.807, 102.539



**Deuteranomaly**  
92, 43.747, 101.386



**Tritanomaly**  
92, 28.230, 103.187

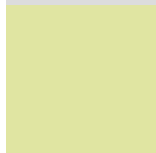
# Monochromacy



**Original Color**  
93, 84.289, 107.864



**Achromatopsia**  
88, 0.010, 296.813



**Achromatomaly**  
89, 34.396, 110.609

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 84.289, 107.864 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(231, 246, 62)` looks like.

```
.text, #text, p{  
    color:rgb(231, 246, 62)  
}
```

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(231, 246, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 246, 62) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 84.289, 107.864 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(231, 246, 62) }
```

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

```
.border{ border-color:rgb(231, 246, 62) }
```

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

Here you see how a box with a 4 pixel rgb(231, 246, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 246, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 246, 62);  
box-shadow:4px 4px 4px 4px rgb(231, 246,  
62) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 84.289, 107.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 246, 62) }
```

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

```
.background{ background-color: rgb(231,  
246, 62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor