

# Converting Colors

CIELCh(93, 32.676, 93.817)

Have a look what the booklet for  
CIELCh(93, 32.676, 93.817) contains.

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# Color

**CIELCh(93, 32.690, 93.665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEEAAC
RGB	254, 234, 172
RGB Percent	100%, 92%, 67%
CMY	0.0036, 0.0820, 0.3251
CMYK	0.00, 0.08, 0.32, 0.00
HSL	45°, 98%, 84%
HSV	45°, 32%, 100%
XYZ	77.8101, 82.9670, 50.9860
YIQ	232.9120, 31.8220, -15.0420

# Conversions

## Conversions Part 2

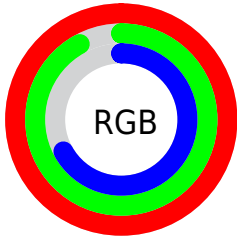
Format	Color
R <sub>Y</sub> B	198, 254, 172
Decimal	16706220
CIE Lab	93.00, -2.09, 32.62
CIE LCh	93, 32.690, 93.665
Yxy	82.9670, 0.3674, 0.3918
Android (android.graphics.Color)	4294896300 (0xFFFEAAAC)
YUV	232.9120, -30.0296, 18.4942
Hunter-Lab	91.0862, -6.9178, 30.5725

# Details

The CIELCh color **93, 32.690, 93.665** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **78, 33.544, 282.505**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **73, 32.564, 93.541** is the 20% darker color. If you saturate the color by 10%, you get **91, 42.888, 92.371**, and if you desaturate by 10%, it is **95, 22.470, 94.937**.

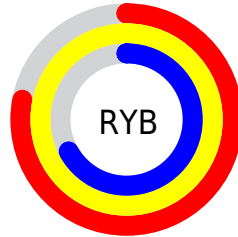
# Distribution



Red (100%)

Green (92%)

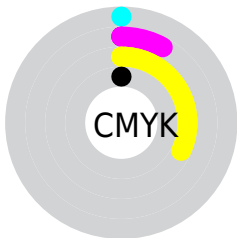
Blue (67%)



Red (78%)

Yellow (100%)

Blue (67%)

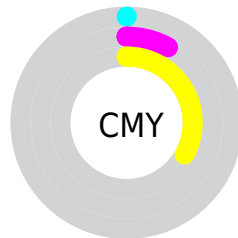


Cyan (0%)

Magenta (8%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 32.690, 93.665 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, 32.690, 93.665 by changing the saturation by 10% instead.



 93, 32.690, 93.665

 93, 32.690, 93.665

 100, 32.690,  
93.665

 83, 32.690, 93.665

 73, 32.690, 93.665

 63, 32.690, 93.665

 53, 32.690, 93.665

 43, 32.690, 93.665

 33, 32.690, 93.665

 23, 32.690, 93.665

 13, 32.690, 93.665

 3, 32.690, 93.665

93, 32.690, 93.665

93, 32.690, 93.665

91, 42.888, 92.371

95, 22.470, 94.937

89, 52.899, 91.042

97, 12.311, 96.164

87, 62.435, 89.680

99, 2.258, 97.278

86, 71.005, 88.264

100, 0.315,  
201.491

84, 77.871, 86.746

82, 82.160, 85.034

81, 83.645, 83.539

# Harmonies

# Complementary

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



93, 32.690, 93.665



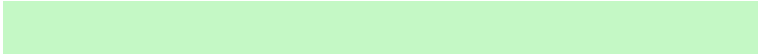
78, 33.544, 282.505

# Rectangle

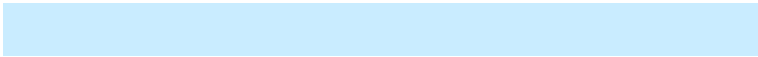
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 32.690, 93.665



93, 32.690, 143.665



93, 32.690, 273.665



93, 32.690, 323.665

# Sweetspot

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



93, 32.691, 93.670



98, 10.043, 96.435



79, 32.835, 3.263



52, 6.859, 96.267



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

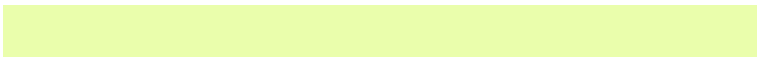
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 32.691, 93.670



92, 39.675, 92.798



97, 41.925, 117.859



52, 5.708, 96.493



63, 67.645, 83.921



21, 29.568, 86.333





# Inverse Universe

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



78, 33.544, 282.505



74, 41.037, 283.866



75, 44.981, 302.401



50, 5.755, 278.849



29, 89.745, 300.925



7, 35.915, 296.127



# Previews

## White Background



This preview shows how the CIE LCh color 93, 32.690, 93.665 looks on a white background.

## Color Contrast Check

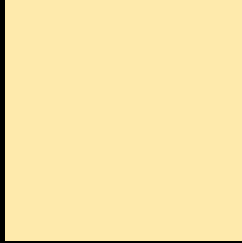
Large Text (above 18pt) WCAG AA × Fail

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, 32.690, 93.665 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, 32.690, 93.665

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 32.690, 93.665.



This preview shows how white text looks on a background with the CIELCh color 93, 32.690, 93.665.

# 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, 32.690, 93.665

### Protanopia

93, 32.880, 95.845

### Deuteranopia

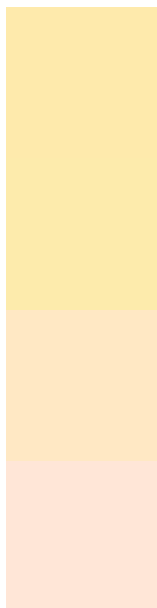
93, 14.072, 69.597



**Tritanopia**  
93, 11.481, 347.659



# Trichromacy



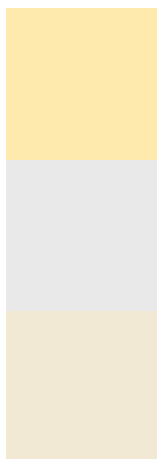
**Original Color**  
93, 32.690, 93.665

**Protanomaly**  
93, 32.967, 95.171

**Deuteranomaly**  
93, 20.515, 83.304

**Tritanomaly**  
93, 12.092, 59.327

# Monochromacy



**Original Color**  
93, 32.690, 93.665

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 11.687, 94.575

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 32.690, 93.665 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(254, 234, 172)` looks like.

```
.text, #text, p{  
    color:rgb(254, 234, 172)  
}
```

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(254, 234, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 234, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 32.690, 93.665 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(254, 234, 172) }
```

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

```
.border{ border-color:rgb(254, 234, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 234, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 234, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 234, 172);  
box-shadow:4px 4px 4px 4px rgb(254, 234,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 32.690, 93.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 234, 172) }
```

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

```
.background{ background-color: rgb(254,  
234, 172) }
```

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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