

# Converting Colors

CIELCh(93, 32.541, 91.997)

Have a look what the booklet for  
CIELCh(93, 32.541, 91.997) contains.

<b>CIELCh(93, 32.793, 92.993)</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(93, 32.793, 92.993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE AAC
RGB	255, 234, 172
RGB Percent	100%, 92%, 67%
CMY	0.0006, 0.0829, 0.3260
CMYK	0.00, 0.08, 0.33, 0.00
HSL	45°, 100%, 84%
HSV	45°, 33%, 100%
XYZ	77.9986, 82.9670, 50.8628
YIQ	233.2110, 32.4180, -14.8300

# Conversions

## Conversions Part 2

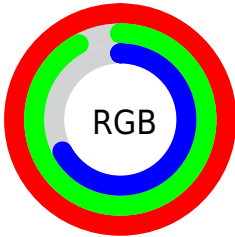
Format	Color
R <sub>Y</sub> B	200, 255, 172
Decimal	16771756
CIE Lab	93.00, -1.71, 32.75
CIE LCh	93, 32.793, 92.993
Yxy	82.9670, 0.3682, 0.3917
Android (android.graphics.Color)	4294961836 (0xFFFFEAAAC)
YUV	233.2110, -30.1770, 19.1090
Hunter-Lab	91.0862, -6.5484, 30.6526

# Details

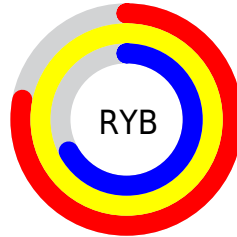
The CIELCh color **93, 32.793, 92.993** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **78, 33.561, 281.988**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **73, 32.674, 92.817** is the 20% darker color. If you saturate the color by 10%, you get **91, 42.956, 91.686**, and if you desaturate by 10%, it is **95, 22.619, 94.276**.

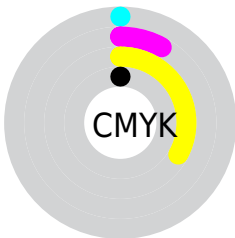
# Distribution



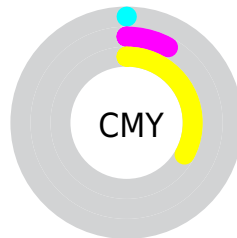
- Red (100%)
- Green (92%)
- Blue (67%)



- Red (78%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 32.793, 92.993 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, 32.793, 92.993 by changing the saturation by 10% instead.



 93, 32.793, 92.993

 93, 32.793, 92.993

 100, 32.793,  
92.993

 83, 32.793, 92.993

 73, 32.793, 92.993

 63, 32.793, 92.993

 53, 32.793, 92.993

 43, 32.793, 92.993

 33, 32.793, 92.993

 23, 32.793, 92.993

 13, 32.793, 92.993

 3, 32.793, 92.993

93, 32.793, 92.993

93, 32.793, 92.993

91, 42.956, 91.686

95, 22.619, 94.276

89, 52.942, 90.343

97, 12.516, 95.513

87, 62.464, 88.962

99, 2.528, 96.645

85, 71.029, 87.519

100, 0.052,  
212.131

84, 77.886, 85.961

82, 82.151, 84.187

81, 83.597, 82.690

# Harmonies

# Complementary

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



93, 32.793, 92.993



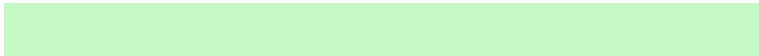
78, 33.561, 281.988

# Rectangle

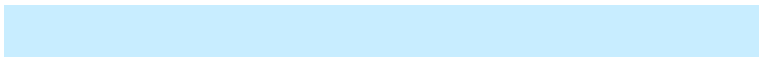
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 32.793, 92.993



93, 32.793, 142.993



93, 32.793, 272.993



93, 32.793, 322.993

# Sweetspot

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



93, 32.794, 92.998



98, 9.949, 95.821



79, 33.384, 2.090



52, 6.795, 95.653



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

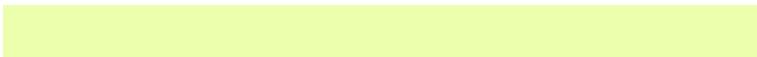
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 32.794, 92.998



92, 39.364, 92.157



97, 42.289, 117.146



52, 5.654, 95.880



62, 67.451, 83.093



21, 29.395, 85.567





# Inverse Universe

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



78, 33.561, 281.988



74, 40.566, 283.301



75, 45.463, 301.880



50, 5.697, 278.253



29, 88.712, 300.560



7, 35.528, 295.769



# Previews

## White Background



This preview shows how the CIELCh color 93, 32.793, 92.993 looks on a white background.

## Color Contrast Check

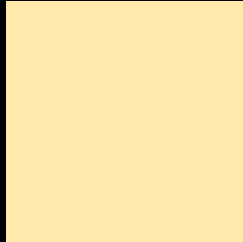
Large Text (above 18pt) WCAG AA × Fail

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, 32.793, 92.993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

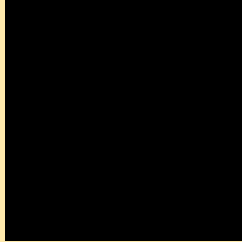
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 93, 32.793, 92.993

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 32.793, 92.993.



This preview shows how white text looks on a background with the CIELCh color 93, 32.793, 92.993.

# 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, 32.793, 92.993

### Protanopia

93, 32.880, 95.845

### Deuteranopia

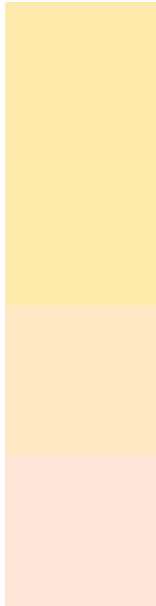
93, 14.072, 69.597



**Tritanopia**  
93, 11.481, 347.659



# Trichromacy



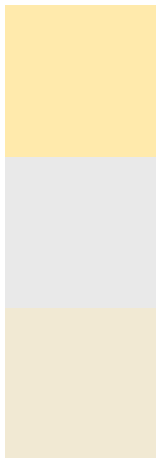
**Original Color**  
93, 32.793, 92.993

**Protanomaly**  
93, 32.967, 95.171

**Deuteranomaly**  
93, 20.515, 83.304

**Tritanomaly**  
93, 12.092, 59.327

# Monochromacy



**Original Color**  
93, 32.793, 92.993

**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, 32.793, 92.993 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, 234, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 234, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 32.793, 92.993 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, 234, 172) }
```

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

```
.border{ border-color:rgb(255, 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(255, 234, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 234, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 234, 172); box-shadow:4px 4px 4px 4px rgb(255, 234, 172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 32.793, 92.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 172) }
```

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

```
.background{ background-color: rgb(255,  
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](#).

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