

# Converting Colors

CIELCh(92, 33.753, 90.185)

Have a look what the booklet for  
CIELCh(92, 33.753, 90.185) contains.

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# Color

**CIELCh(92, 33.849, 90.471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6A7
RGB	255, 230, 167
RGB Percent	100%, 90%, 65%
CMY	0.0000, 0.0977, 0.3448
CMYK	0.00, 0.10, 0.34, 0.00
HSL	43°, 100%, 83%
HSV	43°, 34%, 100%
XYZ	76.5697, 80.7044, 48.1365
YIQ	230.2930, 35.1230, -14.2930

# Conversions

## Conversions Part 2

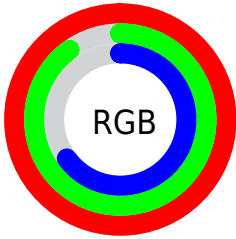
Format	Color
R <sub>Y</sub> B	202, 255, 167
Decimal	16770727
CIE Lab	92.00, -0.28, 33.85
CIE LCh	92, 33.849, 90.471
Yxy	80.7044, 0.3728, 0.3929
Android (android.graphics.Color)	4294960807 (0xFFFFE6A7)
YUV	230.2930, -31.2034, 21.6680
Hunter-Lab	89.8356, -5.0714, 31.1157

# Details

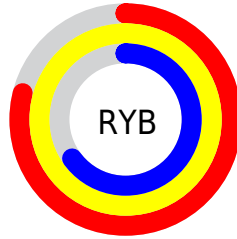
The CIELCh color **92, 33.849, 90.471** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **78, 34.308, 280.356**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 16.187, 108.954**, and **72, 34.147, 90.947** is the 20% darker color. If you saturate the color by 10%, you get **90, 43.816, 89.174**, and if you desaturate by 10%, it is **94, 23.878, 91.845**.

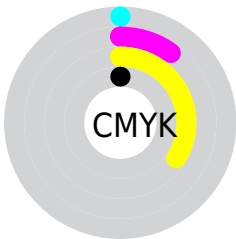
# Distribution



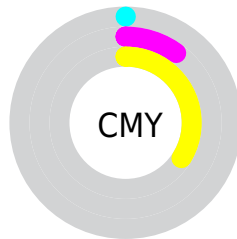
- Red (100%)
- Green (90%)
- Blue (65%)



- Red (79%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (10%)
- Yellow (34%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 33.849, 90.471 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, 33.849, 90.471 by changing the saturation by 10% instead.



 92, 33.849, 90.471

 92, 33.849, 90.471

 100, 33.849,  
90.471

 82, 33.849, 90.471

 72, 33.849, 90.471

 62, 33.849, 90.471

 52, 33.849, 90.471

 42, 33.849, 90.471

 32, 33.849, 90.471

 22, 33.849, 90.471

 12, 33.849, 90.471

 2, 33.849, 90.471

92, 33.849, 90.471

92, 33.849, 90.471

90, 43.816, 89.174

94, 23.878, 91.845

88, 53.640, 87.780

97, 14.017, 93.119

86, 63.008, 86.333

99, 4.295, 94.317

84, 71.393, 84.794

100, 0.012,  
296.813

82, 77.993, 83.083

80, 81.900, 81.065

79, 83.002, 79.811

# Harmonies

# Complementary

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



92, 33.849, 90.471



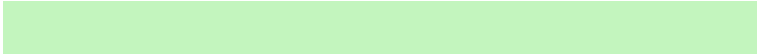
78, 34.308, 280.356

# Rectangle

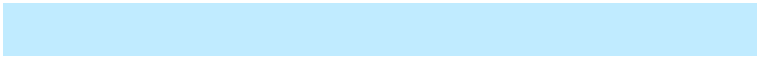
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92, 33.849, 90.471



92, 33.849, 140.471



92, 33.849, 270.471



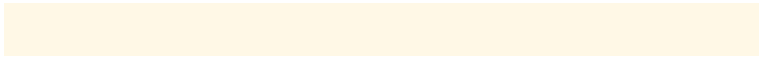
92, 33.849, 320.471

# Sweetspot

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



92, 33.840, 90.528



98, 9.642, 93.671



78, 35.835, 359.985



52, 6.587, 93.499



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

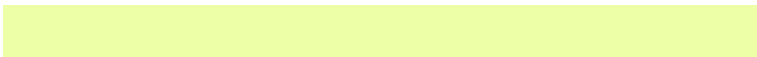
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 33.840, 90.528



91, 40.351, 89.649



97, 44.530, 115.612



52, 5.480, 93.731



61, 66.921, 80.272



20, 28.851, 82.915





# Inverse Universe

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



78, 34.308, 280.356



74, 41.113, 281.755



73, 48.235, 300.990



50, 5.506, 276.160



30, 85.130, 299.230



7, 34.154, 294.409



# Previews

## White Background



This preview shows how the CIE LCh color 92, 33.849, 90.471 looks on a white background.

## Color Contrast Check

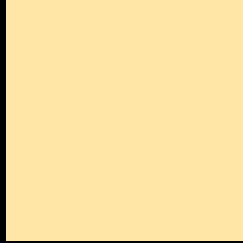
Large Text (above 18pt) WCAG AA × Fail

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, 33.849, 90.471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

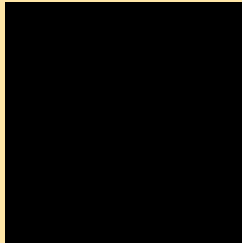
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 92, 33.849, 90.471

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 33.849, 90.471.



This preview shows how white text looks on a background with the CIELCh color 92, 33.849, 90.471.

# 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, 33.849, 90.471

### Protanopia

92, 33.537, 95.255

### Deuteranopia

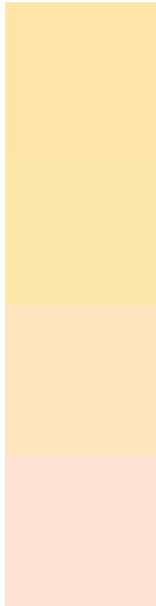
92, 16.344, 68.710



**Tritanopia**  
92, 12.760, 351.318



# Trichromacy



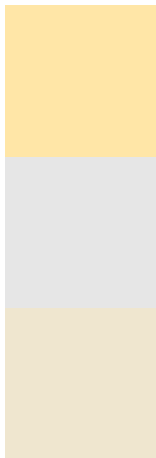
**Original Color**  
92, 33.849, 90.471

**Protanomaly**  
92, 33.362, 93.106

**Deuteranomaly**  
92, 22.240, 80.639

**Tritanomaly**  
92, 13.352, 55.196

# Monochromacy



**Original Color**  
92, 33.849, 90.471

**Achromatopsia**  
91, 0.011, 296.813

**Achromatomaly**  
91, 12.312, 93.416

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 33.849, 90.471 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, 230, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 167)  
}
```

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, 230, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 167) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 33.849, 90.471 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, 230, 167) }
```

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

```
.border{ border-color:rgb(255, 230, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 230, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
167) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 33.849, 90.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 167) }
```

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

```
.background{ background-color: rgb(255,  
230, 167) }
```

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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