

# Converting Colors

CIELCh(100, 54.612, 29.668)

Have a look what the booklet for  
CIELCh(100, 54.612, 29.668)  
contains.

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# **Color**

**CIELCh(90, 15.693, 43.504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDACE
RGB	255, 218, 206
RGB Percent	100%, 85%, 81%
CMY	0.0000, 0.1438, 0.1909
CMYK	0.00, 0.14, 0.19, 0.00
HSL	15°, 100%, 90%
HSV	15°, 19%, 100%
XYZ	78.0805, 76.3034, 69.2019
YIQ	227.6950, 25.9040, 4.1120

# Conversions

## Conversions Part 2

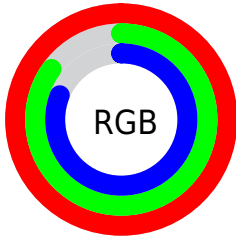
Format	Color
R <sub>Y</sub> B	255, 222, 206
Decimal	16767694
CIE Lab	90.00, 11.38, 10.80
CIE LCh	90, 15.693, 43.504
Yxy	76.3034, 0.3492, 0.3413
Android (android.graphics.Color)	4294957774 (0xFFFFDACE)
YUV	227.6950, -10.6956, 23.9465
Hunter-Lab	87.3518, 6.6889, 14.1755

# Details

The CIELCh color **90, 15.693, 43.504** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94, 13.475, 226.235**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 15.355, 43.339** is the 20% darker color. If you saturate the color by 10%, you get **85, 24.144, 44.058**, and if you desaturate by 10%, it is **95, 6.954, 44.570**.

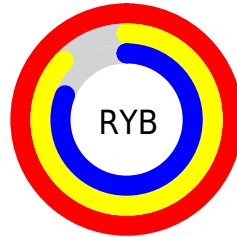
# Distribution



Red (100%)

Green (85%)

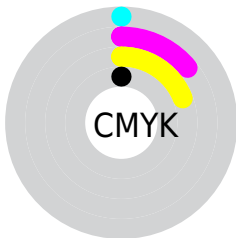
Blue (81%)



Red (100%)

Yellow (87%)

Blue (81%)

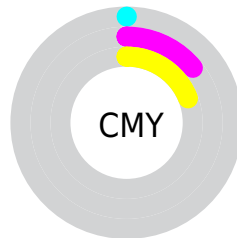


Cyan (0%)

Magenta (14%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (19%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 15.693, 43.504 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 90, 15.693, 43.504 by changing the saturation by 10% instead.



 90, 15.693, 43.504

 90, 15.693, 43.504

 100, 15.693,  
43.504

 80, 15.693, 43.504

 70, 15.693, 43.504

 60, 15.693, 43.504

 50, 15.693, 43.504

 40, 15.693, 43.504

 30, 15.693, 43.504

 20, 15.693, 43.504

 10, 15.693, 43.504

 0, 15.693, 43.504

90, 15.693, 43.504

90, 15.693, 43.504

85, 24.144, 44.058

95, 6.954, 44.570

80, 33.814, 43.964

100, 0.012,  
296.813

75, 44.227, 44.032

71, 55.324, 44.279

66, 66.923, 44.688

63, 78.569, 45.142

60, 89.224, 45.298

57, 97.194, 44.615

57, 97.843, 44.570

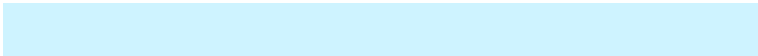
# Harmonies

# Complementary

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



90, 15.693, 43.504



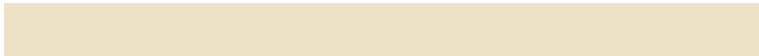
94, 13.475, 226.235

# Rectangle

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



90, 15.693, 43.504



90, 15.693, 93.504



90, 15.693, 223.504



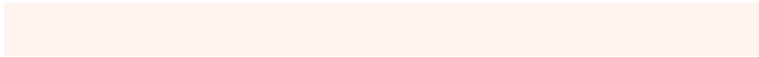
90, 15.693, 273.504

# Sweetspot

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



90, 15.205, 44.278



97, 4.531, 44.644



88, 25.987, 332.968



51, 3.013, 44.631



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



90, 15.205, 44.278



88, 18.612, 44.180



96, 18.856, 93.746



50, 4.354, 44.558



43, 78.319, 45.058



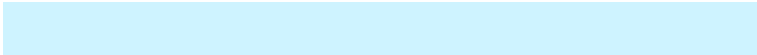
12, 29.294, 40.057



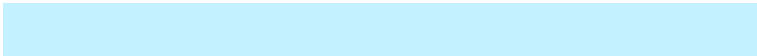


# Inverse Universe

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



94, 13.475, 226.235



92, 16.046, 226.554



88, 19.043, 278.724



51, 4.115, 225.618



56, 36.747, 245.717

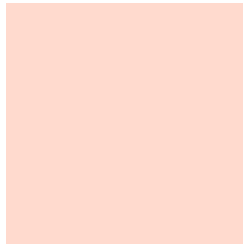


18, 16.457, 239.407



# Previews

## White Background



This preview shows how the CIELCh color 90, 15.693, 43.504 looks on a white background.

## Color Contrast Check

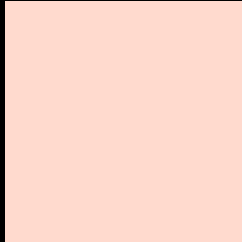
Large Text (above 18pt) WCAG AA × Fail

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 90, 15.693, 43.504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

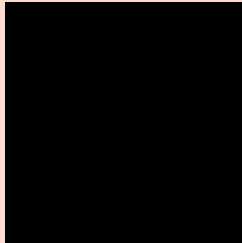
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 90, 15.693, 43.504

## Background



This preview shows how black text looks on a background with the CIELCh color 90, 15.693, 43.504.

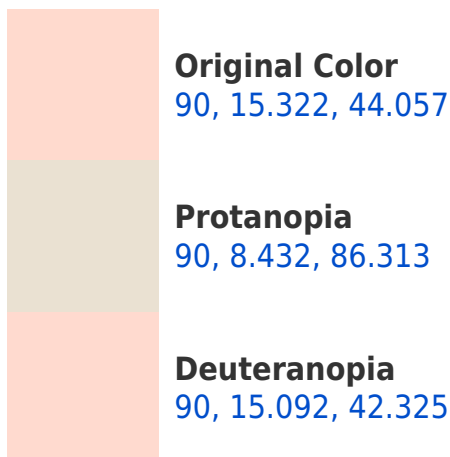


This preview shows how white text looks on a background with the CIELCh color 90, 15.693, 43.504.

# 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

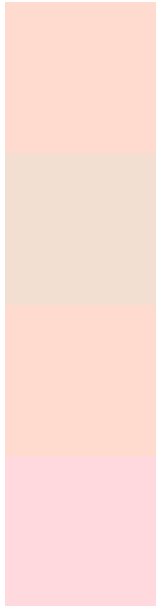




**Tritanopia**  
90, 16.109, 351.809



# Trichromacy



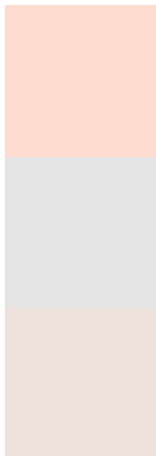
**Original Color**  
90, 15.322, 44.057

**Protanomaly**  
90, 10.125, 65.268

**Deuteranomaly**  
90, 15.092, 42.325

**Tritanomaly**  
90, 14.185, 9.949

# Monochromacy



**Original Color**  
90, 15.322, 44.057

**Achromatopsia**  
91, 0.011, 296.813

**Achromatomaly**  
90, 5.492, 41.746

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 15.693, 43.504 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, 218, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 206)  
}
```

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, 218, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 206) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 15.693, 43.504 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, 218, 206) }
```

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

```
.border{ border-color:rgb(255, 218, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
206) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 15.693, 43.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 206) }
```

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

```
.background{ background-color: rgb(255,  
218, 206) }
```

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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