

# Converting Colors

CIELCh(91, 12.772, 30.331)

Have a look what the booklet for  
CIELCh(91, 12.772, 30.331) contains.

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# Color

**CIELCh(91, 12.503, 32.059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDED9
RGB	255, 222, 217
RGB Percent	100%, 87%, 85%
CMY	0.0002, 0.1295, 0.1492
CMYK	0.00, 0.13, 0.15, 0.00
HSL	8°, 100%, 93%
HSV	8°, 15%, 100%
XYZ	79.8566, 78.4833, 76.5604
YIQ	231.2970, 21.2730, 5.4410

# Conversions

## Conversions Part 2

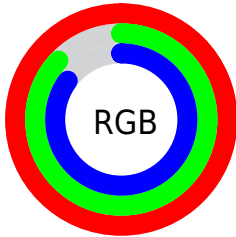
Format	Color
R <sub>Y</sub> B	255, 223, 217
Decimal	16768729
CIE Lab	91.00, 10.60, 6.64
CIE LCh	91, 12.503, 32.059
Yxy	78.4833, 0.3400, 0.3341
Android (android.graphics.Color)	4294958809 (0xFFFFDED9)
YUV	231.2970, -7.0484, 20.7875
Hunter-Lab	88.5908, 5.8678, 10.7750

# Details

The CIELCh color **91, 12.503, 32.059** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 11.313, 211.933**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 12.512, 32.870** is the 20% darker color. If you saturate the color by 10%, you get **85, 21.792, 32.434**, and if you desaturate by 10%, it is **97, 3.944, 31.767**.

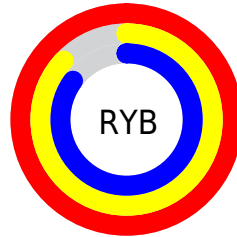
# Distribution



Red (100%)

Green (87%)

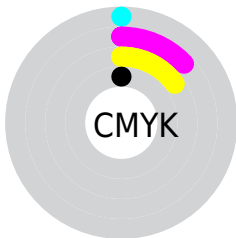
Blue (85%)



Red (100%)

Yellow (87%)

Blue (85%)

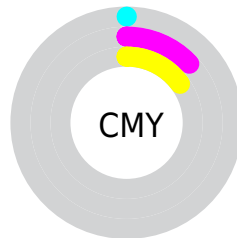


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (15%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 12.503, 32.059 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 91, 12.503, 32.059 by changing the saturation by 10% instead.



 91, 12.503, 32.059

 91, 12.503, 32.059

 100, 12.503,  
32.059

 81, 12.503, 32.059

 71, 12.503, 32.059

 61, 12.503, 32.059

 51, 12.503, 32.059

 41, 12.503, 32.059

 31, 12.503, 32.059

 21, 12.503, 32.059

 11, 12.503, 32.059

 1, 12.503, 32.059

91, 12.503, 32.059

91, 12.503, 32.059

85, 21.792, 32.434

97, 3.944, 31.767

79, 31.850, 32.981

100, 0.017,  
243.727

74, 42.670, 33.776

69, 54.176, 34.879

64, 66.185, 36.327

61, 78.325, 38.084

57, 89.811, 39.907

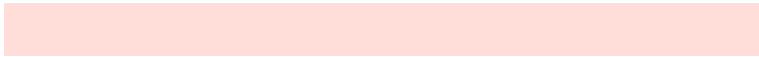
55, 98.922, 41.109

54, 102.232,  
41.427

# Harmonies

# Complementary

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



91, 12.503, 32.059



96, 11.313, 211.933

# Rectangle

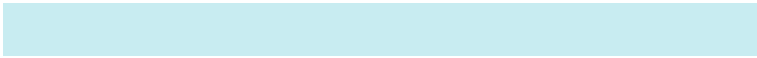
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



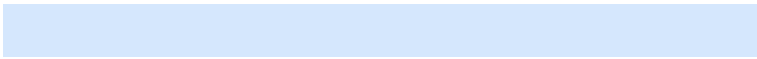
91, 12.503, 32.059



91, 12.503, 82.059



91, 12.503, 212.059



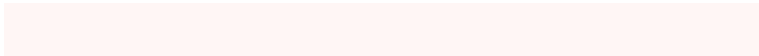
91, 12.503, 262.059

# Sweetspot

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



91, 12.502, 32.071



98, 3.206, 31.717



91, 21.971, 328.650



52, 2.286, 31.759



0, 0.000, 0.000



53, 0.007, 296.813

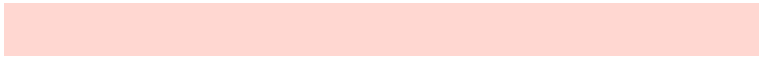


# Same Dimension

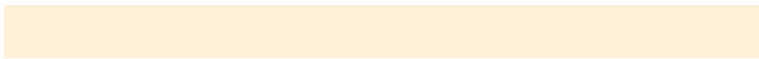
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 12.502, 32.071



89, 15.300, 32.168



96, 13.126, 84.976



50, 4.663, 31.921



41, 81.993, 41.716



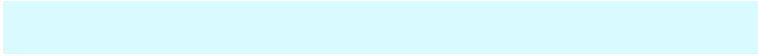
11, 30.982, 33.637



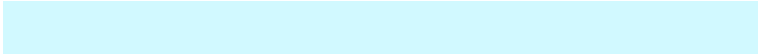


# Inverse Universe

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



96, 11.313, 211.933



95, 13.536, 211.953



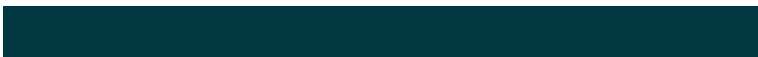
91, 12.970, 269.038



52, 4.383, 211.941



63, 35.287, 220.814

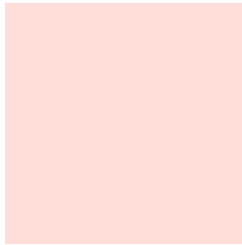


21, 16.360, 217.489



# Previews

## White Background



This preview shows how the CIELCh color 91, 12.503, 32.059 looks on a white background.

## Color Contrast Check

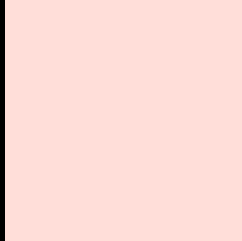
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 91, 12.503, 32.059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

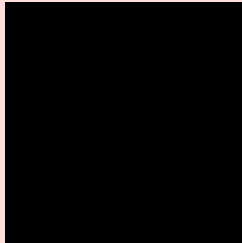
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

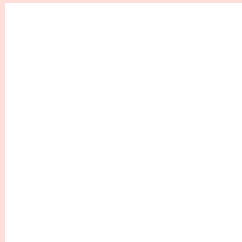
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 91, 12.503, 32.059

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.503, 32.059.

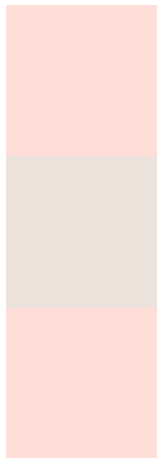


This preview shows how white text looks on a background with the CIELCh color 91, 12.503, 32.059.

# 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

91, 12.503, 32.059

### Protanopia

91, 5.034, 74.511

### Deuteranopia

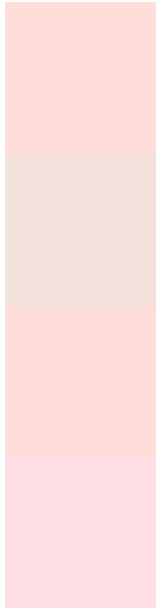
91, 12.385, 29.759



**Tritanopia**  
91, 15.064, 347.227



# Trichromacy



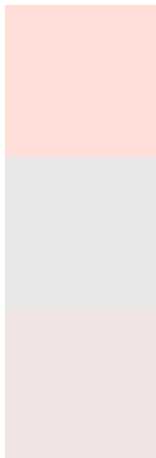
**Original Color**  
91, 12.503, 32.059

**Protanomaly**  
91, 7.189, 49.836

**Deuteranomaly**  
91, 12.385, 29.759

**Tritanomaly**  
91, 13.023, 1.872

# Monochromacy



**Original Color**  
91, 12.503, 32.059

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
91, 4.447, 32.968

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 12.503, 32.059 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, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 217)  
}
```

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, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 217) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 12.503, 32.059 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, 222, 217) }
```

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

```
.border{ border-color:rgb(255, 222, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 222, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 222, 217); box-shadow:4px 4px 4px 4px rgb(255, 222, 217) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 12.503, 32.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 217) }
```

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

```
.background{ background-color: rgb(255,  
222, 217) }
```

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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