

# Converting Colors

CIE LCh(91, 10.996, 39.216)

Have a look what the booklet for  
CIELCh(91, 10.996, 39.216) contains.

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# Color

**CIELCh(91, 10.983, 39.185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBDFD8
RGB	251, 223, 216
RGB Percent	98%, 87%, 85%
CMY	0.0144, 0.1243, 0.1517
CMYK	0.00, 0.11, 0.14, 0.01
HSL	12°, 83%, 92%
HSV	12°, 14%, 99%
XYZ	78.8035, 78.4833, 76.1700
YIQ	230.5740, 18.9350, 3.7590

# Conversions

## Conversions Part 2

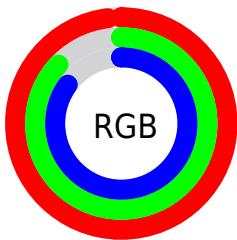
Format	Color
RYB	251, 225, 216
Decimal	16506840
CIELab	91.00, 8.51, 6.94
CIELCh	91, 10.983, 39.185
Yxy	78.4833, 0.3376, 0.3362
Android (android.graphics.Color)	4294696920 (0xFFFBDFD8)
YUV	230.5740, -7.1850, 17.9136
Hunter-Lab	88.5908, 3.7457, 11.0363

# Details

The CIELCh color **91, 10.983, 39.185** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 10.037, 220.005**, 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, 10.923, 40.486** is the 20% darker color. If you saturate the color by 10%, you get **86, 19.674, 39.185**, and if you desaturate by 10%, it is **97, 2.972, 39.195**.

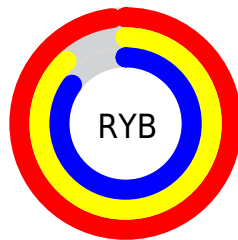
# Distribution



Red (98%)

Green (87%)

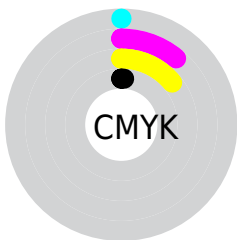
Blue (85%)



Red (98%)

Yellow (88%)

Blue (85%)

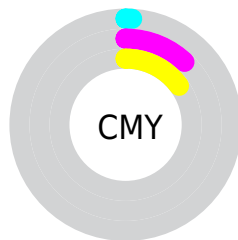


Cyan (0%)

Magenta (11%)

Yellow (14%)

Black (1%)



Cyan (1%)

Magenta (12%)

Yellow (15%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 10.983, 39.185 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, 10.983, 39.185 by changing the saturation by 10% instead.



 91, 10.983, 39.185

 91, 10.983, 39.185

 100, 10.983,  
39.185

 81, 10.983, 39.185

 71, 10.983, 39.185

 61, 10.983, 39.185

 51, 10.983, 39.185

 41, 10.983, 39.185

 31, 10.983, 39.185

 21, 10.983, 39.185

 11, 10.983, 39.185

 1, 10.983, 39.185

91, 10.983, 39.185

91, 10.983, 39.185

86, 19.674, 39.185

97, 2.972, 39.195

80, 29.099, 39.303

100, 1.279,  
199.842

75, 39.278, 39.604

70, 50.182, 40.126

66, 61.688, 40.888

62, 73.497, 41.846

59, 84.921, 42.796

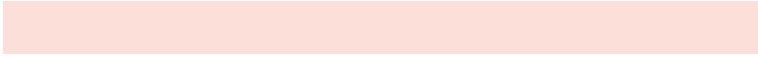
56, 94.456, 43.186

55, 98.755, 43.055

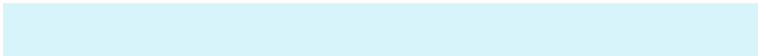
# Harmonies

# Complementary

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



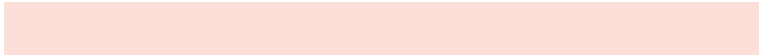
91, 10.983, 39.185



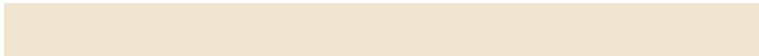
95, 10.037, 220.005

# Rectangle

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



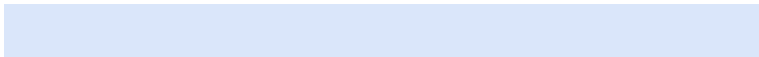
91, 10.983, 39.185



91, 10.983, 89.185



91, 10.983, 219.185



91, 10.983, 269.185

# Sweetspot

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



91, 10.982, 39.199



98, 3.062, 39.197



90, 19.139, 331.390



52, 2.183, 39.217



0, 0.000, 0.000



53, 0.007, 296.813

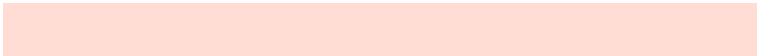


# Same Dimension

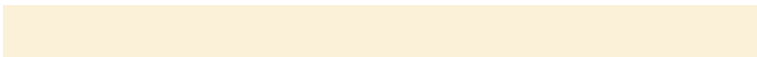
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 10.982, 39.199



90, 13.736, 39.185



95, 13.102, 91.953



49, 4.379, 39.226



41, 79.168, 43.470



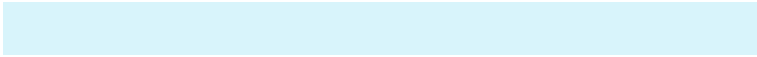
11, 28.731, 36.543



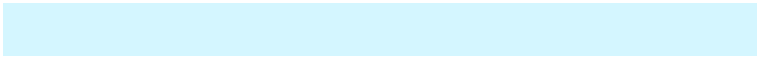


# Inverse Universe

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



95, 10.037, 220.005



95, 12.285, 220.134



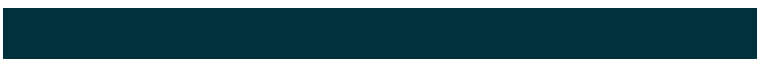
90, 13.140, 275.586



51, 4.126, 219.860



58, 35.044, 235.660

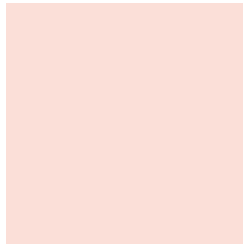


18, 15.724, 230.139



# Previews

## White Background



This preview shows how the CIELCh color 91, 10.983, 39.185 looks on a white background.

## Color Contrast Check

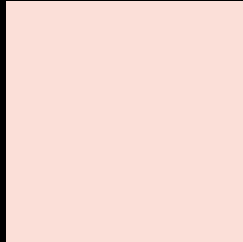
Large Text (above 18pt) WCAG AA × Fail

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, 10.983, 39.185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

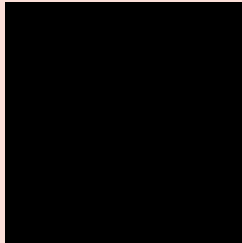
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

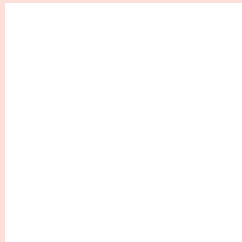
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 91, 10.983, 39.185

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 10.983, 39.185.

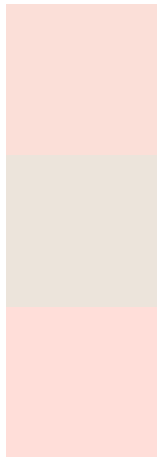


This preview shows how white text looks on a background with the CIELCh color 91, 10.983, 39.185.

# 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, 10.983, 39.185

### Protanopia

91, 5.467, 77.567

### Deuteranopia

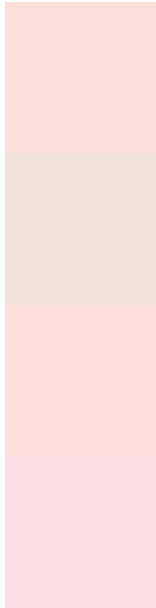
91, 12.503, 32.059



**Tritanopia**  
91, 15.048, 344.772



# Trichromacy



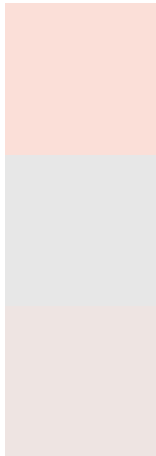
**Original Color**  
91, 10.983, 39.185

**Protanomaly**  
91, 7.163, 54.835

**Deuteranomaly**  
91, 12.133, 32.403

**Tritanomaly**  
91, 12.327, 0.718

# Monochromacy



**Original Color**  
91, 10.983, 39.185

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
91, 3.742, 35.493

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 10.983, 39.185 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(251, 223, 216)` looks like.

```
.text, #text, p{  
    color:rgb(251, 223, 216)  
}
```

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(251, 223, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 223, 216) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 10.983, 39.185 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(251, 223, 216) }
```

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

```
.border{ border-color:rgb(251, 223, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 223, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 223, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 223, 216);  
box-shadow:4px 4px 4px 4px rgb(251, 223,  
216) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 10.983, 39.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 223, 216) }
```

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

```
.background{ background-color: rgb(251,  
223, 216) }
```

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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