

# Converting Colors

CIELCh(91, 12.264, 11.061)

Have a look what the booklet for  
CIELCh(91, 12.264, 11.061) contains.

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# Color

**CIELCh(91, 12.231, 10.557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEDDE1
RGB	254, 221, 225
RGB Percent	100%, 87%, 88%
CMY	0.0025, 0.1320, 0.1163
CMYK	0.00, 0.13, 0.11, 0.00
HSL	353°, 96%, 93%
HSV	353°, 13%, 100%
XYZ	80.5838, 78.4833, 82.3786
YIQ	231.3230, 18.3840, 8.2400

# Conversions

## Conversions Part 2

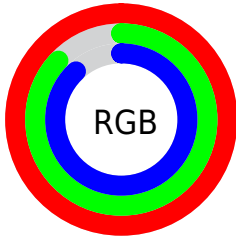
Format	Color
<a href="#">RYB</a>	<a href="#">254, 221, 225</a>
Decimal	<a href="#">16702945</a>
CIELab	<a href="#">91.00, 12.02, 2.24</a>
CIELCh	<a href="#">91, 12.231, 10.557</a>
Yxy	<a href="#">78.4833, 0.3338, 0.3251</a>
Android (android.graphics.Color)	<a href="#">4294893025</a> ( <a href="#">0xFFFEDE1</a> )
YUV	<a href="#">231.3230, -3.1172, 19.8877</a>
Hunter-Lab	<a href="#">88.5908, 7.3328, 6.8811</a>

# Details

The CIELCh color **91, 12.231, 10.557** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **97, 11.466, 188.443**, 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, 12.164, 10.214** is the 20% darker color. If you saturate the color by 10%, you get **84, 22.329, 11.711**, and if you desaturate by 10%, it is **98, 2.719, 9.459**.

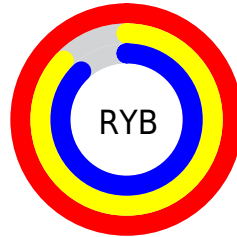
# Distribution



Red (100%)

Green (87%)

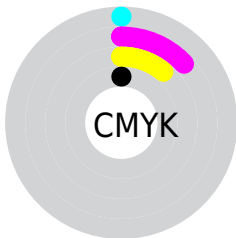
Blue (88%)



Red (100%)

Yellow (87%)

Blue (88%)

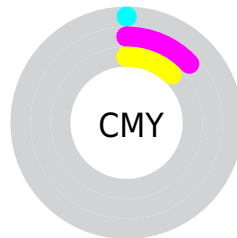


Cyan (0%)

Magenta (13%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (12%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 12.231, 10.557 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, 12.231, 10.557 by changing the saturation by 10% instead.



 91, 12.231, 10.557

 91, 12.231, 10.557

 100, 12.231,  
10.557

 81, 12.231, 10.557

 71, 12.231, 10.557

 61, 12.231, 10.557

 51, 12.231, 10.557

 41, 12.231, 10.557

 31, 12.231, 10.557

 21, 12.231, 10.557

 11, 12.231, 10.557

 1, 12.231, 10.557

91, 12.231, 10.557

91, 12.231, 10.557

84, 22.329, 11.711

98, 2.719, 9.459

78, 32.960, 13.103

100, 0.225,  
202.333

72, 43.978, 14.842

67, 55.134, 17.047

62, 66.074, 19.859

58, 76.400, 23.404

55, 85.774, 27.706

54, 93.920, 32.493

53, 98.751, 35.649

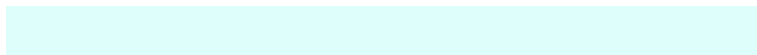
# Harmonies

# Complementary

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



91, 12.231, 10.557



97, 11.466, 188.443

# Rectangle

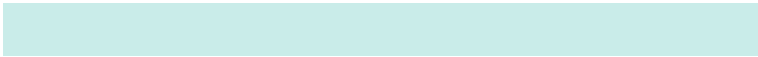
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 12.231, 10.557



91, 12.231, 60.557



91, 12.231, 190.557



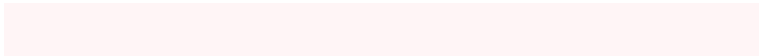
91, 12.231, 240.557

# Sweetspot

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



91, 12.229, 10.566



97, 3.672, 9.606



91, 19.862, 321.367



51, 2.616, 9.699



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

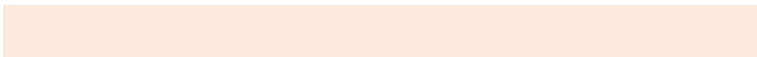
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 12.229, 10.566



89, 15.253, 10.892



94, 9.881, 58.581



50, 5.310, 10.206



40, 78.947, 34.823



10, 32.461, 22.236





# Inverse Universe

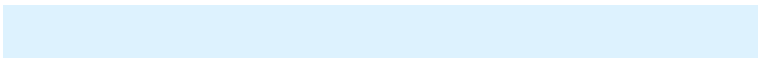
The Inverse Universe completely reimagines the original color for something new.



91, 12.229, 10.566



89, 15.253, 10.892



94, 9.299, 241.259



50, 5.310, 10.206



40, 78.947, 34.823

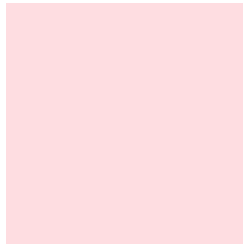


10, 32.461, 22.236



# Previews

## White Background



This preview shows how the CIELCh color 91, 12.231, 10.557 looks on a white background.

## Color Contrast Check

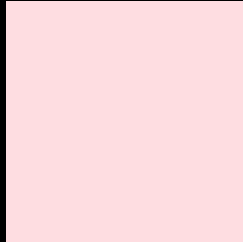
Large Text (above 18pt) WCAG AA × Fail

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, 12.231, 10.557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

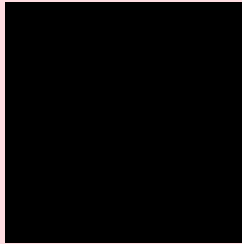
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 91, 12.231, 10.557

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.231, 10.557.

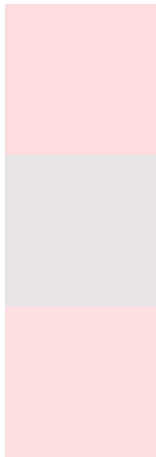


This preview shows how white text looks on a background with the CIELCh color 91, 12.231, 10.557.

# 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, 12.231, 10.557

### Protanopia

91, 1.870, 3.138

### Deuteranopia

91, 11.425, 12.414



**Tritanopia**  
91, 15.064, 347.227



# Trichromacy



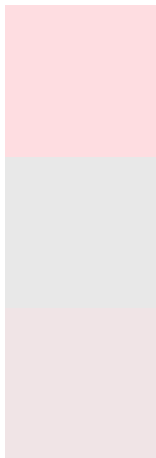
**Original Color**  
91, 12.231, 10.557

**Protanomaly**  
91, 5.512, 8.890

**Deuteranomaly**  
91, 11.425, 12.414

**Tritanomaly**  
91, 14.095, 354.359

# Monochromacy



**Original Color**  
91, 12.231, 10.557

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 4.440, 6.137

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 12.231, 10.557 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(254, 221, 225)` looks like.

```
.text, #text, p{  
    color:rgb(254, 221, 225)  
}
```

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(254, 221, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 221, 225) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 12.231, 10.557 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(254, 221, 225) }
```

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

```
.border{ border-color:rgb(254, 221, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 221, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 221, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 221, 225);  
box-shadow:4px 4px 4px 4px rgb(254, 221,  
225) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 12.231, 10.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 221, 225) }
```

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

```
.background{ background-color: rgb(254,  
221, 225) }
```

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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