

# Converting Colors

CIELCh(96, 20.406, 18.321)

Have a look what the booklet for  
CIELCh(96, 20.406, 18.321) contains.

<b>CIELCh(93, 9.103, 13.512)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(93, 9.103, 13.512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE5E7
RGB	254, 229, 231
RGB Percent	100%, 90%, 91%
CMY	0.0035, 0.1015, 0.0937
CMYK	0.00, 0.10, 0.09, 0.00
HSL	355°, 93%, 95%
HSV	355°, 10%, 100%
XYZ	83.3989, 82.9670, 87.3044
YIQ	236.7030, 14.2580, 5.9220

# Conversions

## Conversions Part 2

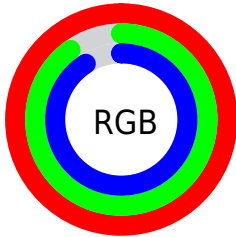
Format	Color
R <sub>Y</sub> B	254, 229, 231
Decimal	16704999
CIE Lab	93.00, 8.85, 2.13
CIE LCh	93, 9.103, 13.512
Yxy	82.9670, 0.3288, 0.3271
Android (android.graphics.Color)	4294895079 (0xFFFE5E7)
YUV	236.7030, -2.8116, 15.1695
Hunter-Lab	91.0862, 4.0344, 6.9320

# Details

The CIELCh color **93, 9.103, 13.512** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **98, 8.628, 192.139**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 8.818, 16.606** is the 20% darker color. If you saturate the color by 10%, you get **86, 18.999, 14.557**, and if you desaturate by 10%, it is **100, 0.150, 197.088**.

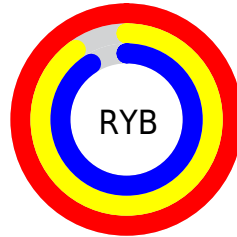
# Distribution



Red (100%)

Green (90%)

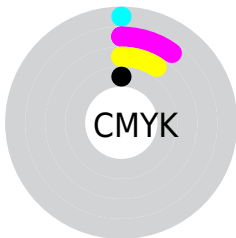
Blue (91%)



Red (100%)

Yellow (90%)

Blue (91%)

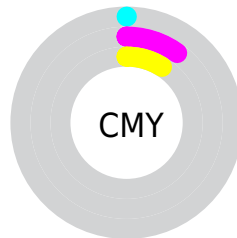


Cyan (0%)

Magenta (10%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 9.103, 13.512 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 93, 9.103, 13.512 by changing the saturation by 10% instead.



 93, 9.103, 13.512

 93, 9.103, 13.512

 100, 9.103, 13.512

 83, 9.103, 13.512

 73, 9.103, 13.512

 63, 9.103, 13.512

 53, 9.103, 13.512

 43, 9.103, 13.512

 33, 9.103, 13.512

 23, 9.103, 13.512

 13, 9.103, 13.512

 3, 9.103, 13.512

93, 9.103, 13.512

93, 9.103, 13.512

86, 18.999, 14.557

100, 0.150,  
197.088

80, 29.520, 15.809

100, 0.314,  
201.498

74, 40.570, 17.383

68, 51.954, 19.391

63, 63.369, 21.965

59, 74.430, 25.223

56, 84.735, 29.186

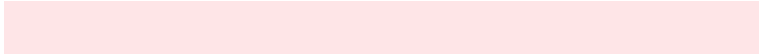
54, 93.835, 33.591

53, 100.905,  
37.529

# Harmonies

# Complementary

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



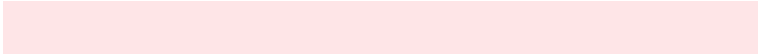
93, 9.103, 13.512



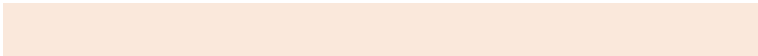
98, 8.628, 192.139

# Rectangle

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



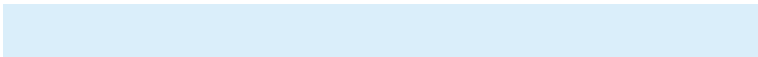
93, 9.103, 13.512



93, 9.103, 63.512



93, 9.103, 193.512



93, 9.103, 243.512

# Sweetspot

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



93, 9.101, 13.525



98, 2.722, 12.786



93, 15.222, 322.653



52, 2.069, 12.900



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

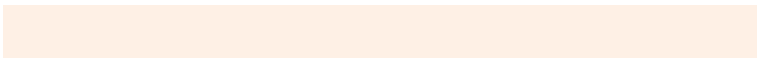
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 9.101, 13.525



92, 11.227, 13.737



95, 7.487, 64.777



50, 5.274, 13.494



40, 80.902, 36.914



10, 32.743, 23.948



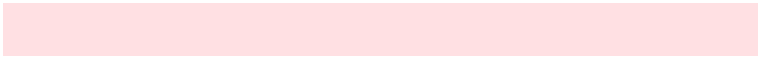


# Inverse Universe

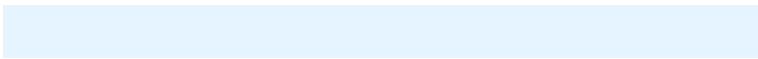
The Inverse Universe completely reimagines the original color for something new.



93, 9.101, 13.525



92, 11.227, 13.737



95, 7.216, 247.122



50, 5.274, 13.494



40, 80.902, 36.914

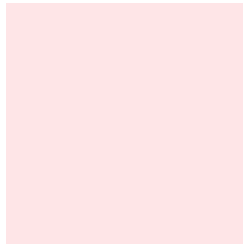


10, 32.743, 23.948



# Previews

## White Background



This preview shows how the CIE LCh color 93, 9.103, 13.512 looks on a white background.

## Color Contrast Check

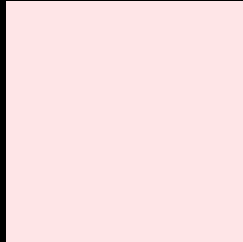
Large Text (above 18pt) WCAG AA × Fail

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 93, 9.103, 13.512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

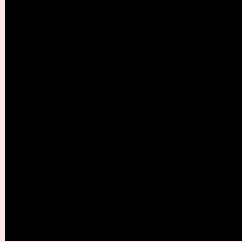
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

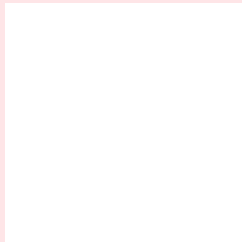
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 9.103, 13.512

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 9.103, 13.512.

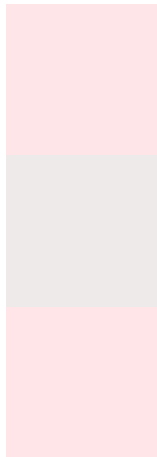


This preview shows how white text looks on a background with the CIELCh color 93, 9.103, 13.512.

# 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


93, 9.111, 13.515

### Protanopia

93, 1.782, 19.178

### Deuteranopia

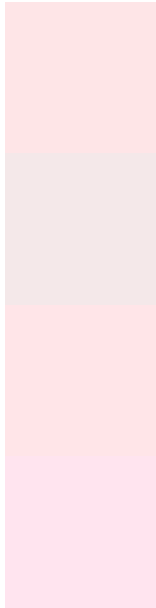
93, 9.533, 10.728



**Tritanopia**  
93, 13.289, 339.105



# Trichromacy



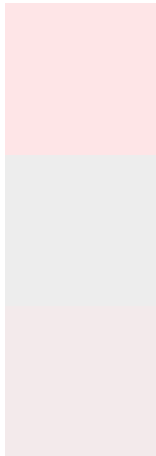
**Original Color**  
93, 9.111, 13.515

**Protanomaly**  
93, 4.335, 12.751

**Deuteranomaly**  
93, 9.533, 10.728

**Tritanomaly**  
93, 11.221, 349.888

# Monochromacy



**Original Color**  
93, 9.111, 13.515

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
93, 3.259, 10.363

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 9.103, 13.512 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, 229, 231)` looks like.

```
.text, #text, p{  
    color:rgb(254, 229, 231)  
}
```

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, 229, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 229, 231) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 9.103, 13.512 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, 229, 231) }
```

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

```
.border{ border-color:rgb(254, 229, 231) }
```

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

Here you see how a box with a 4 pixel rgb(254, 229, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 229, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 229, 231);  
box-shadow:4px 4px 4px 4px rgb(254, 229,  
231) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 9.103, 13.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 229, 231) }
```

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

```
.background{ background-color: rgb(254,  
229, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor