

# Converting Colors

CIELCh(93, 10.547, 86.793)

Have a look what the booklet for  
CIELCh(93, 10.547, 86.793) contains.

<b>CIELCh(93, 10.561, 86.781)</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, 10.561, 86.781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5EAD7
RGB	245, 234, 215
RGB Percent	96%, 92%, 84%
CMY	0.0402, 0.0833, 0.1578
CMYK	0.00, 0.04, 0.12, 0.04
HSL	38°, 59%, 90%
HSV	38°, 12%, 96%
XYZ	79.1567, 82.9670, 75.9684
YIQ	235.1230, 12.6550, -3.5770

# Conversions

## Conversions Part 2

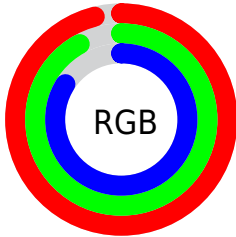
Format	Color
<a href="#">RYB</a>	<a href="#">232, 245, 215</a>
Decimal	<a href="#">16116439</a>
CIELab	<a href="#">93.00, 0.59, 10.54</a>
CIELCh	<a href="#">93, 10.561, 86.781</a>
Yxy	<a href="#">82.9670, 0.3325, 0.3485</a>
Android (android.graphics.Color)	<a href="#">4294306519</a> ( <a href="#">0xFFFF5EAD7</a> )
YUV	<a href="#">235.1230, -9.9206, 8.6621</a>
Hunter-Lab	<a href="#">91.0862, -4.2791, 14.3109</a>

# Details

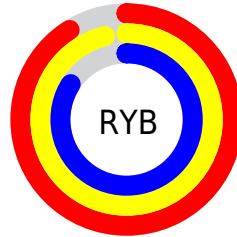
The CIELCh color **93, 10.561, 86.781** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 10.494, 270.085**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 10.638, 85.310** is the 20% darker color. If you saturate the color by 10%, you get **90, 19.437, 85.486**, and if you desaturate by 10%, it is **96, 1.910, 87.940**.

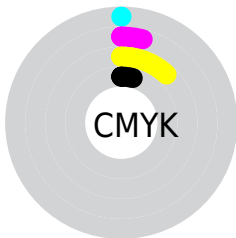
# Distribution



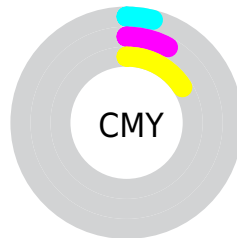
- Red (96%)
- Green (92%)
- Blue (84%)



- Red (91%)
- Yellow (96%)
- Blue (84%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (4%)



- Cyan (4%)
- Magenta (8%)
- Yellow (16%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 10.561, 86.781 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, 10.561, 86.781 by changing the saturation by 10% instead.



 93, 10.561, 86.781

 93, 10.561, 86.781

 100, 10.561,  
86.781

 83, 10.561, 86.781

 73, 10.561, 86.781

 63, 10.561, 86.781

 53, 10.561, 86.781

 43, 10.561, 86.781

 33, 10.561, 86.781

 23, 10.561, 86.781

 13, 10.561, 86.781

 3, 10.561, 86.781

93, 10.561, 86.781

93, 10.561, 86.781

90, 19.437, 85.486

96, 1.910, 87.940

88, 28.526, 84.129

98, 2.913, 234.818

85, 37.786, 82.730

99, 3.542, 199.368

82, 47.117, 81.286

80, 56.313, 79.775

78, 64.976, 78.147

75, 72.415, 76.295

73, 77.663, 74.023

71, 80.032, 71.913

# Harmonies

# Complementary

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



93, 10.561, 86.781



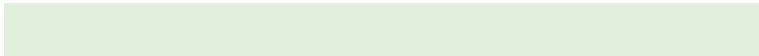
90, 10.494, 270.085

# Rectangle

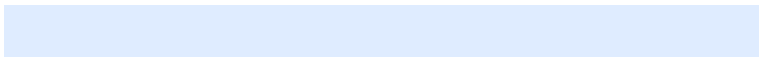
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 10.561, 86.781



93, 10.561, 136.781



93, 10.561, 266.781



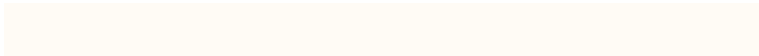
93, 10.561, 316.781

# Sweetspot

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



93, 10.562, 86.795



99, 3.520, 87.790



89, 12.300, 352.633



53, 2.505, 87.709



0, 0.000, 0.000



53, 0.007, 296.813

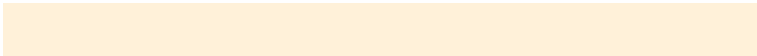


# Same Dimension

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



93, 10.562, 86.795



96, 13.416, 86.437



95, 15.378, 114.466



50, 4.880, 87.144



55, 65.146, 72.500



17, 25.366, 75.175





# Inverse Universe

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



90, 10.494, 270.085



91, 13.298, 270.505



87, 15.807, 296.431



48, 4.861, 269.687



33, 73.170, 294.660

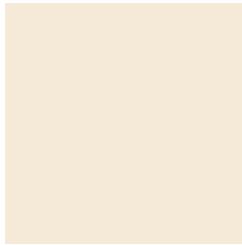


8, 27.958, 288.592



# Previews

## White Background



This preview shows how the CIELCh color 93, 10.561, 86.781 looks on a white background.

## Color Contrast Check

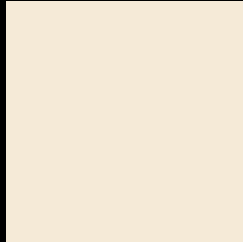
Large Text (above 18pt) WCAG AA × Fail

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 93, 10.561, 86.781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

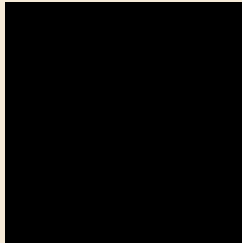
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 93, 10.561, 86.781

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 10.561, 86.781.

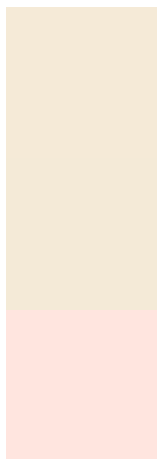


This preview shows how white text looks on a background with the CIELCh color 93, 10.561, 86.781.

# 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, 10.561, 86.781

### Protanopia

93, 10.424, 88.669

### Deuteranopia

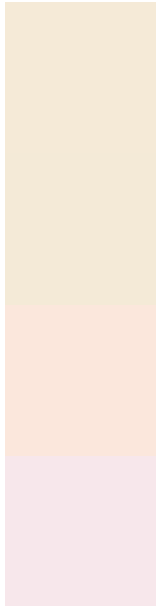
93, 10.028, 37.829



**Tritanopia**  
93, 11.709, 327.710



# Trichromacy



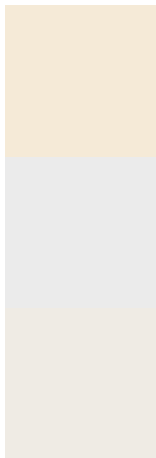
**Original Color**  
93, 10.561, 86.781

**Protanomaly**  
93, 10.424, 88.669

**Deuteranomaly**  
93, 9.274, 57.227

**Tritanomaly**  
93, 6.103, 0.034

# Monochromacy



**Original Color**  
93, 10.561, 86.781

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 3.858, 87.972

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 10.561, 86.781 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(245, 234, 215)` looks like.

```
.text, #text, p{  
    color:rgb(245, 234, 215)  
}
```

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(245, 234, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 234, 215) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 10.561, 86.781 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(245, 234, 215) }
```

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

```
.border{ border-color:rgb(245, 234, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 234, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 234, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 234, 215);  
box-shadow:4px 4px 4px 4px rgb(245, 234,  
215) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 10.561, 86.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 234, 215) }
```

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

```
.background{ background-color: rgb(245,  
234, 215) }
```

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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