

# Converting Colors

CIELCh(92, 10.507, 86.381)

Have a look what the booklet for  
CIELCh(92, 10.507, 86.381) contains.

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# Color

**CIELCh(92, 10.587, 86.762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E7D4
RGB	242, 231, 212
RGB Percent	95%, 91%, 83%
CMY	0.0514, 0.0945, 0.1690
CMYK	0.00, 0.05, 0.12, 0.05
HSL	38°, 53%, 89%
HSV	38°, 12%, 95%
XYZ	77.0031, 80.7044, 73.7423
YIQ	232.1230, 12.6550, -3.5770

# Conversions

## Conversions Part 2

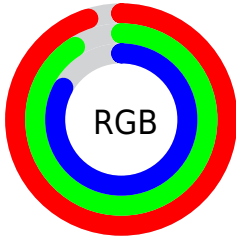
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 242, 212
Decimal	15919060
CIE <sub>Lab</sub>	92.00, 0.60, 10.57
CIE <sub>LCh</sub>	92, 10.587, 86.762
Y <sub>xy</sub>	80.7044, 0.3327, 0.3487
Android (android.graphics.Color)	4294109140 (0xFFFF2E7D4)
YUV	232.1230, -9.9206, 8.6621
Hunter-Lab	89.8356, -4.2101, 14.2163

# Details

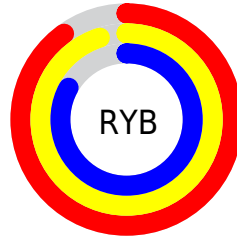
The CIELCh color **92, 10.587, 86.762** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88, 10.518, 270.103**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **72, 10.674, 85.281** is the 20% darker color. If you saturate the color by 10%, you get **89, 19.382, 85.467**, and if you desaturate by 10%, it is **95, 2.015, 87.930**.

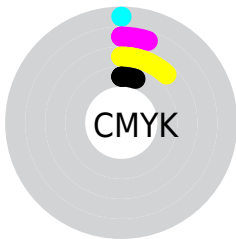
# Distribution



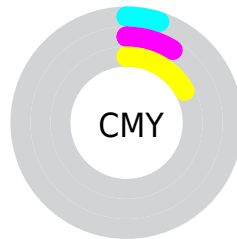
- Red (95%)
- Green (91%)
- Blue (83%)



- Red (90%)
- Yellow (95%)
- Blue (83%)



- Cyan (0%)
- Magenta (5%)
- Yellow (12%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 10.587, 86.762 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 92, 10.587, 86.762 by changing the saturation by 10% instead.



 92, 10.587, 86.762

 92, 10.587, 86.762

 100, 10.587,  
86.762

 82, 10.587, 86.762

 72, 10.587, 86.762

 62, 10.587, 86.762

 52, 10.587, 86.762

 42, 10.587, 86.762

 32, 10.587, 86.762

 22, 10.587, 86.762

 12, 10.587, 86.762

 2, 10.587, 86.762

92, 10.587, 86.762

92, 10.587, 86.762

89, 19.382, 85.467

95, 2.015, 87.930

87, 28.387, 84.111

97, 3.966, 254.600

84, 37.561, 82.712

99, 4.516, 199.266

81, 46.804, 81.267

79, 55.910, 79.757

77, 64.482, 78.129

74, 71.836, 76.274

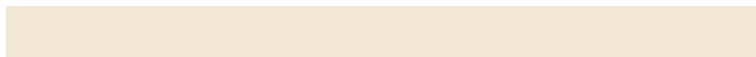
72, 77.010, 73.999

71, 79.324, 71.934

# Harmonies

# Complementary

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



92, 10.587, 86.762



88, 10.518, 270.103

# Rectangle

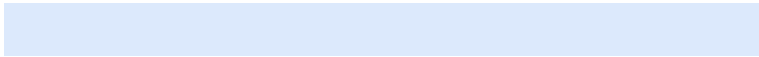
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92, 10.587, 86.762



92, 10.587, 136.762



92, 10.587, 266.762



92, 10.587, 316.762

# Sweetspot

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



92, 10.588, 86.775



99, 3.520, 87.789



88, 12.331, 352.648



53, 2.505, 87.708



0, 0.000, 0.000



53, 0.007, 296.813

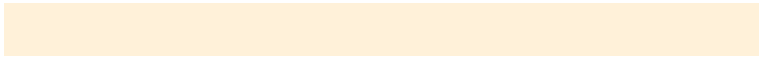


# Same Dimension

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



92, 10.588, 86.775



96, 13.416, 86.436



94, 15.413, 114.455



49, 4.796, 87.145



55, 64.480, 72.532



16, 24.164, 75.169





# Inverse Universe

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



88, 10.518, 270.103



91, 13.298, 270.504



86, 15.848, 296.444



47, 4.777, 269.682



33, 72.346, 294.620

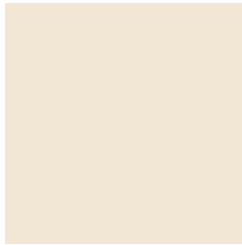


7, 26.859, 288.030



# Previews

## White Background



This preview shows how the CIELCh color 92, 10.587, 86.762 looks on a white background.

## Color Contrast Check

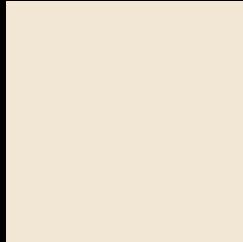
Large Text (above 18pt) WCAG AA × Fail

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 92, 10.587, 86.762 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

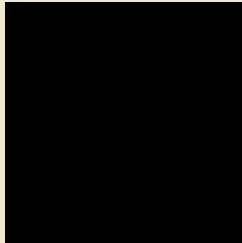
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

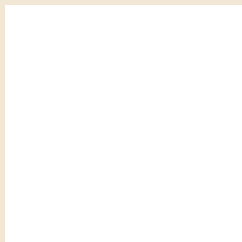
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 92, 10.587, 86.762

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 10.587, 86.762.

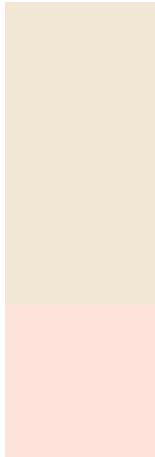


This preview shows how white text looks on a background with the CIELCh color 92, 10.587, 86.762.

# 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

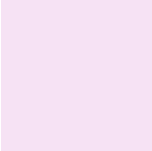
92, 10.587, 86.762

### Protanopia

92, 10.450, 88.651

### Deuteranopia

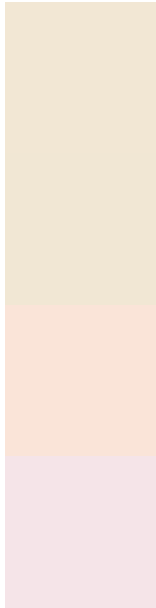
92, 11.502, 40.963



**Tritanopia**  
92, 11.736, 327.716



# Trichromacy



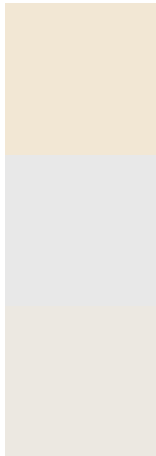
**Original Color**  
92, 10.587, 86.762

**Protanomaly**  
92, 10.450, 88.651

**Deuteranomaly**  
92, 10.222, 56.901

**Tritanomaly**  
92, 6.460, 1.162

# Monochromacy



**Original Color**  
92, 10.587, 86.762

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 3.867, 87.966

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 10.587, 86.762 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(242, 231, 212)` looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 212)  
}
```

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(242, 231, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 10.587, 86.762 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(242, 231, 212) }
```

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

```
.border{ border-color:rgb(242, 231, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 231, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 212);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 10.587, 86.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 212) }
```

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

```
.background{ background-color: rgb(242,  
231, 212) }
```

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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