

# Converting Colors

CIELCh(90, 8.542, 89.945)

Have a look what the booklet for  
CIELCh(90, 8.542, 89.945) contains.

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# **Color**

**CIELCh(90, 8.659, 92.133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E2D2
RGB	233, 226, 210
RGB Percent	91%, 89%, 82%
CMY	0.0866, 0.1140, 0.1768
CMYK	0.00, 0.03, 0.10, 0.09
HSL	42°, 34%, 87%
HSV	42°, 10%, 91%
XYZ	72.3707, 76.3034, 71.8304
YIQ	226.2690, 9.3080, -3.4920

# Conversions

## Conversions Part 2

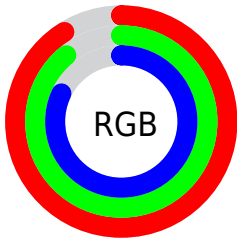
Format	Color
R <sub>Y</sub> B	220, 233, 210
Decimal	15327954
CIE Lab	90.00, -0.32, 8.65
CIE LCh	90, 8.659, 92.133
Yxy	76.3034, 0.3282, 0.3460
Android (android.graphics.Color)	4293518034 (0xFFE9E2D2)
YUV	226.2690, -8.0206, 5.9031
Hunter-Lab	87.3518, -4.9789, 12.3914

# Details

The CIELCh color **90, 8.659, 92.133** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 8.684, 274.696**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 8.496, 93.306** is the 20% darker color. If you saturate the color by 10%, you get **88, 17.597, 90.890**, and if you desaturate by 10%, it is **92, 0.120, 275.475**.

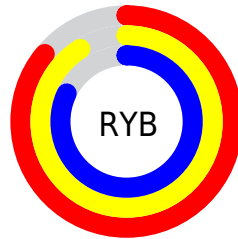
# Distribution



Red (91%)

Green (89%)

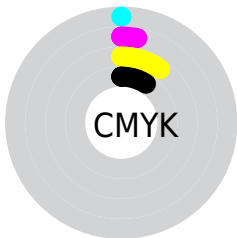
Blue (82%)



Red (86%)

Yellow (91%)

Blue (82%)

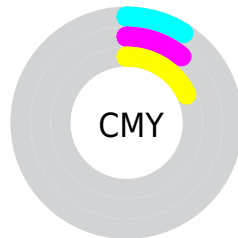


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 8.659, 92.133 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 90, 8.659, 92.133 by changing the saturation by 10% instead.





90, 8.659, 92.133

90, 8.659, 92.133

88, 17.597, 90.890

92, 0.120, 275.475

85, 26.670, 89.581

95, 8.006, 272.968

83, 35.830, 88.232

96, 6.247, 239.249

81, 44.974, 86.842

98, 7.297, 202.028

79, 53.902, 85.402

98, 7.550, 199.015

77, 62.250, 83.885

75, 69.413, 82.224

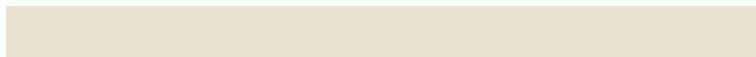
73, 74.545, 80.298

72, 77.222, 77.999

# Harmonies

# Complementary

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



90, 8.659, 92.133



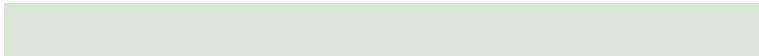
87, 8.684, 274.696

# Rectangle

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



90, 8.659, 92.133



90, 8.659, 142.133



90, 8.659, 272.133



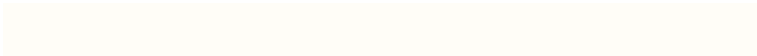
90, 8.659, 322.133

# Sweetspot

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



90, 8.660, 92.148



99, 2.807, 92.929



86, 9.227, 355.702



53, 2.131, 92.850



0, 0.000, 0.000

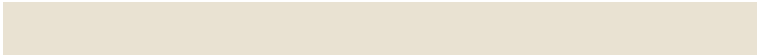


53, 0.007, 296.813

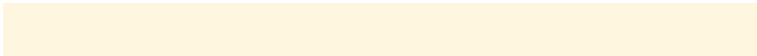


# Same Dimension

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



90, 8.660, 92.148



97, 11.352, 91.879



91, 11.960, 116.660



48, 5.010, 92.197



57, 64.019, 78.434



16, 23.768, 81.328





# Inverse Universe

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



87, 8.684, 274.696



92, 11.380, 275.001



85, 12.224, 298.083



46, 5.024, 274.641



30, 78.993, 298.096

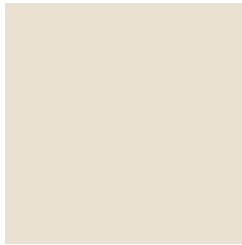


6, 27.828, 290.274



# Previews

## White Background



This preview shows how the CIELCh color 90, 8.659, 92.133 looks on a white background.

## Color Contrast Check

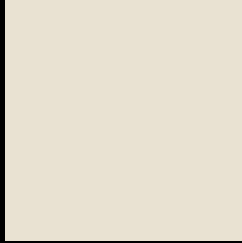
Large Text (above 18pt) WCAG AA × Fail

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 90, 8.659, 92.133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

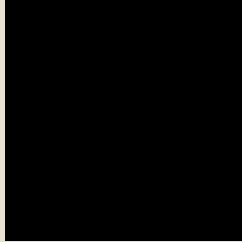
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

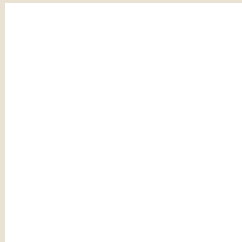
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 90, 8.659, 92.133

## Background



This preview shows how black text looks on a background with the CIELCh color 90, 8.659, 92.133.

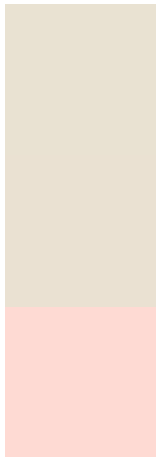


This preview shows how white text looks on a background with the CIELCh color 90, 8.659, 92.133.

# 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**  
90, 8.659, 92.133

**Protanopia**  
90, 8.432, 86.313

**Deuteranopia**  
90, 13.958, 35.255



**Tritanopia**  
90, 10.354, 321.529



# Trichromacy



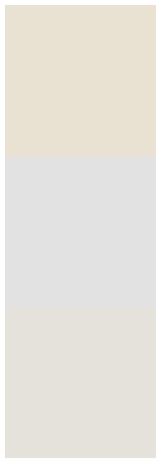
**Original Color**  
90, 8.659, 92.133

**Protanomaly**  
90, 8.432, 86.313

**Deuteranomaly**  
90, 10.652, 48.912

**Tritanomaly**  
90, 5.364, 350.774

# Monochromacy



**Original Color**  
90, 8.659, 92.133

**Achromatopsia**  
90, 0.011, 296.813

**Achromatomaly**  
90, 3.276, 90.560

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 8.659, 92.133 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(233, 226, 210)` looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 210)  
}
```

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(233, 226, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 8.659, 92.133 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(233, 226, 210) }
```

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

```
.border{ border-color:rgb(233, 226, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 226, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 226, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 226, 210); box-shadow:4px 4px 4px 4px rgb(233, 226, 210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 8.659, 92.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 210) }
```

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

```
.background{ background-color: rgb(233,  
226, 210) }
```

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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