

# Converting Colors

CIELCh(89, 6.687, 65.938)

Have a look what the booklet for  
CIELCh(89, 6.687, 65.938) contains.

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# Color

**CIELCh(89, 6.672, 63.935)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EADDD4
RGB	234, 221, 212
RGB Percent	92%, 87%, 83%
CMY	0.0813, 0.1322, 0.1676
CMYK	0.00, 0.06, 0.09, 0.08
HSL	25°, 35%, 88%
HSV	25°, 9%, 92%
XYZ	71.8695, 74.1641, 72.9944
YIQ	223.8610, 10.6370, -0.0430

# Conversions

## Conversions Part 2

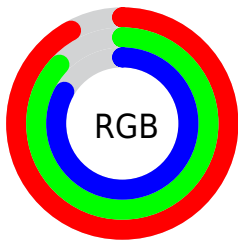
<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 227, 212
Decimal	15392212
CIELab	89.00, 2.93, 5.99
CIELCh	89, 6.672, 63.935
Yxy	74.1641, 0.3281, 0.3386
Android (android.graphics.Color)	4293582292 (0xFFEADDD4)
YUV	223.8610, -5.8475, 8.8919
Hunter-Lab	86.1186, -1.7420, 10.0286

# Details

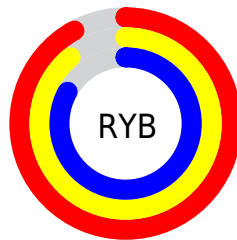
The CIELCh color  $89, 6.672, 63.935$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $89, 6.437, 246.163$ , and the grayscale version is  $89, 0.011, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $69, 6.794, 65.985$  is the 20% darker color. If you saturate the color by 10%, you get  $85, 14.212, 62.956$ , and if you desaturate by 10%, it is  $93, 0.426, 246.235$ .

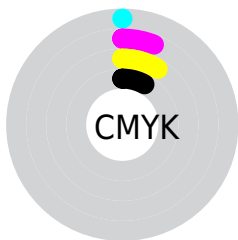
# Distribution



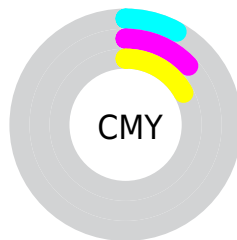
- Red (92%)
- Green (87%)
- Blue (83%)



- Red (92%)
- Yellow (89%)
- Blue (83%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (8%)



- Cyan (8%)
- Magenta (13%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 6.672, 63.935 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 89, 6.672, 63.935 by changing the saturation by 10% instead.



 89, 6.672, 63.935

 89, 6.672, 63.935

 100, 6.672, 63.935

 79, 6.672, 63.935

 69, 6.672, 63.935

 59, 6.672, 63.935

 49, 6.672, 63.935

 39, 6.672, 63.935

 29, 6.672, 63.935

 19, 6.672, 63.935

 9, 6.672, 63.935

 0, 6.672, 63.935

89, 6.672, 63.935

89, 6.672, 63.935

85, 14.212, 62.956

93, 0.426, 246.235

81, 22.234, 61.948

97, 5.846, 231.194

77, 30.769, 60.965

99, 7.093, 199.050

74, 39.817, 60.017

70, 49.317, 59.096

67, 59.082, 58.155

64, 68.670, 57.066

61, 77.180, 55.545

58, 83.554, 53.286

# Harmonies

# Complementary

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



89, 6.672, 63.935



89, 6.437, 246.163

# Rectangle

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



89, 6.672, 63.935



89, 6.672, 113.935



89, 6.672, 243.935



89, 6.672, 293.935

# Sweetspot

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



89, 6.672, 63.958



99, 2.235, 64.465



87, 10.543, 339.307



52, 1.700, 64.431



0, 0.000, 0.000



53, 0.007, 296.813

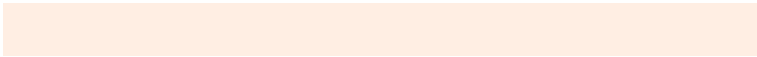


# Same Dimension

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



89, 6.672, 63.958



95, 8.413, 63.796



92, 10.228, 104.811



47, 4.041, 63.951



45, 68.832, 53.817



12, 22.483, 51.457





# Inverse Universe

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



89, 6.437, 246.163



95, 8.057, 246.362



86, 10.409, 286.861



47, 3.897, 246.172



44, 46.369, 273.530

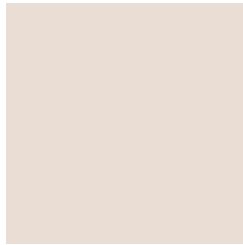


11, 17.656, 264.674



# Previews

## White Background



This preview shows how the CIELCh color 89, 6.672, 63.935 looks on a white background.

## Color Contrast Check

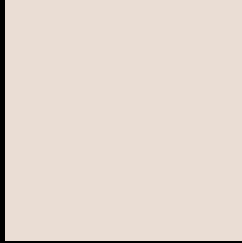
Large Text (above 18pt) WCAG AA × Fail

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 89, 6.672, 63.935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

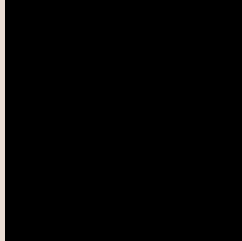
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

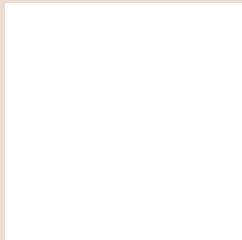
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 89, 6.672, 63.935

## Background



This preview shows how black text looks on a background with the CIELCh color 89, 6.672, 63.935.

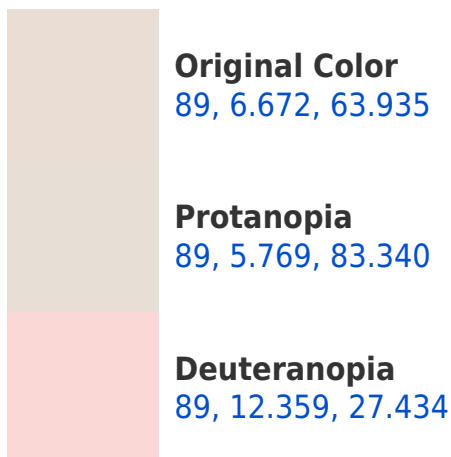


This preview shows how white text looks on a background with the CIELCh color 89, 6.672, 63.935.

# 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

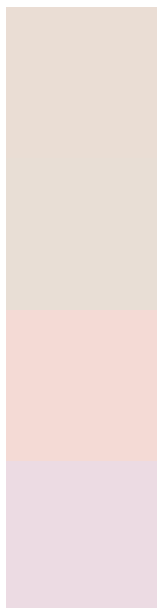




**Tritanopia**  
89, 11.186, 327.870



# Trichromacy



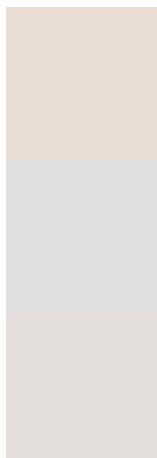
**Original Color**  
89, 6.672, 63.935

**Protanomaly**  
89, 5.921, 71.473

**Deuteranomaly**  
89, 9.970, 35.038

**Tritanomaly**  
89, 7.426, 345.818

# Monochromacy



**Original Color**  
89, 6.672, 63.935

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
89, 2.369, 60.304

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 6.672, 63.935 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(234, 221, 212)` looks like.

```
.text, #text, p{  
    color:rgb(234, 221, 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(234, 221, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 221, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 6.672, 63.935 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(234, 221, 212) }
```

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

```
.border{ border-color:rgb(234, 221, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 221, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 221, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 221, 212);  
box-shadow:4px 4px 4px 4px rgb(234, 221,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 6.672, 63.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 221, 212) }
```

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

```
.background{ background-color: rgb(234,  
221, 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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