

# Converting Colors

CIELCh(72, 3.596, 29.702)

Have a look what the booklet for  
CIELCh(72, 3.596, 29.702) contains.

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# **Color**

**CIELCh(72, 3.831, 27.728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8AEAD
RGB	184, 174, 173
RGB Percent	72%, 68%, 68%
CMY	0.2771, 0.3164, 0.3203
CMYK	0.00, 0.05, 0.06, 0.28
HSL	5°, 7%, 70%
HSV	5°, 6%, 72%
XYZ	42.6195, 43.6590, 45.8814
YIQ	176.8760, 6.2810, 1.8090

# Conversions

## Conversions Part 2

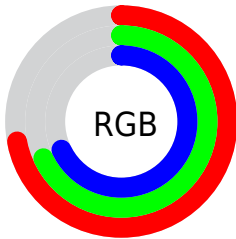
Format	Color
<b>RYB</b>	184, 174, 173
Decimal	12103341
CIELab	72.00, 3.39, 1.78
CIElCh	72, 3.831, 27.728
Yxy	43.6590, 0.3225, 0.3303
Android (android.graphics.Color)	4290293421 (0xFFB8AEAD)
YUV	176.8760, -1.9109, 6.2477
Hunter-Lab	66.0750, -0.4956, 5.0824

# Details

The CIELCh color  $72, 3.831, 27.728$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $74, 3.689, 207.736$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 3.989, 26.947$ , and  $52, 3.700, 28.681$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 10.673, 28.221$ , and if you desaturate by 10%, it is  $77, 2.485, 207.854$ .

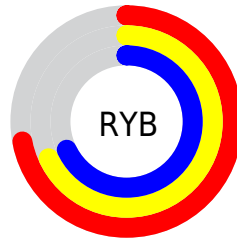
# Distribution



Red (72%)

Green (68%)

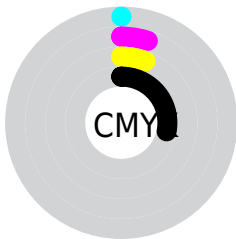
Blue (68%)



Red (72%)

Yellow (68%)

Blue (68%)

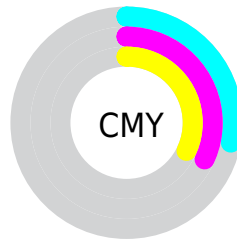


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (28%)



Cyan (28%)

Magenta (32%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 3.831, 27.728 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 72, 3.831, 27.728 by changing the saturation by 10% instead.



 72, 3.831, 27.728       72, 3.831, 27.728

 100, 3.831, 27.728       62, 3.831, 27.728

 92, 3.831, 27.728       52, 3.831, 27.728

 42, 3.831, 27.728

 32, 3.831, 27.728

 22, 3.831, 27.728

 12, 3.831, 27.728

 2, 3.831, 27.728

 0, 3.831, 27.728

 72, 3.831, 27.728       72, 3.831, 27.728

67, 10.673, 28.221

77, 2.485, 207.854

63, 18.081, 28.786

82, 8.320, 207.552

58, 26.070, 29.560

87, 13.726,  
207.445

54, 34.614, 30.614

92, 18.754,  
207.406

50, 43.632, 32.016

46, 52.960, 33.818

96, 22.752,  
198.015

43, 62.302, 35.999

41, 71.085, 38.329

39, 78.108, 40.166

# Harmonies

# Complementary

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



72, 3.831, 27.728



74, 3.689, 207.736

# Rectangle

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



72, 3.831, 27.728



72, 3.831, 77.728



72, 3.831, 207.728



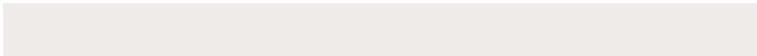
72, 3.831, 257.728

# Sweetspot

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



72, 3.830, 27.756



93, 1.564, 27.374



72, 6.885, 327.071



50, 0.888, 27.348



97, 0.011, 296.813



50, 0.007, 296.813



# Same Dimension

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



72, 3.830, 27.756



90, 5.586, 27.815



73, 3.864, 83.056



37, 2.916, 27.832



33, 70.602, 40.959



3, 9.968, 25.344





# Inverse Universe

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



74, 3.689, 207.736



93, 5.340, 207.692



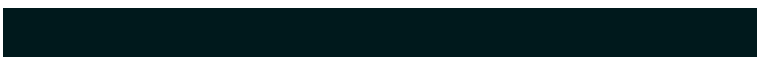
72, 3.849, 264.713



38, 2.782, 207.680



54, 31.104, 212.205

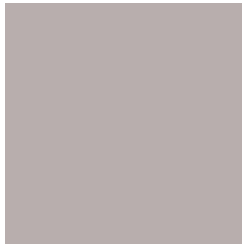


7, 9.218, 211.211



# Previews

## White Background



This preview shows how the CIELCh color 72, 3.831, 27.728 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 72, 3.831, 27.728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

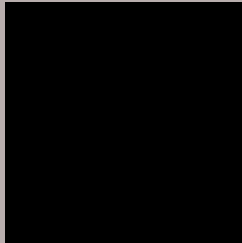
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 3.831, 27.728**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 3.831, 27.728.

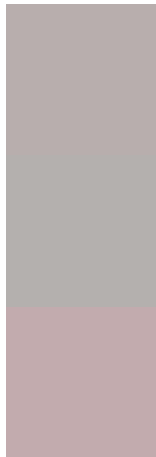


This preview shows how white text looks on a background with the CIELCh color 72, 3.831, 27.728.

# 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


72, 3.831, 27.728

### Protanopia

72, 1.846, 55.193

### Deuteranopia

72, 8.947, 9.692



**Tritanopia**  
72, 9.268, 324.824



# Trichromacy



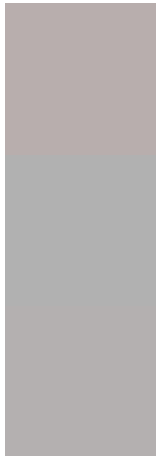
**Original Color**  
72, 3.831, 27.728

**Protanomaly**  
72, 2.696, 31.042

**Deuteranomaly**  
72, 6.950, 10.977

**Tritanomaly**  
72, 6.285, 336.063

# Monochromacy



**Original Color**  
72, 3.831, 27.728

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 1.504, 19.199

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 3.831, 27.728 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(184, 174, 173)` looks like.

```
.text, #text, p{  
    color:rgb(184, 174, 173)  
}
```

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(184, 174, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 174, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 3.831, 27.728 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(184, 174, 173) }
```

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

```
.border{ border-color:rgb(184, 174, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 174, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 174, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 174, 173);  
box-shadow:4px 4px 4px 4px rgb(184, 174,  
173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 3.831, 27.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 174, 173) }
```

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

```
.background{ background-color: rgb(184,  
174, 173) }
```

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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