

# Converting Colors

CIELCh(72, 9.358, 87.210)

Have a look what the booklet for  
CIELCh(72, 9.358, 87.210) contains.

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# **Color**

**CIELCh(72, 9.347, 87.219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9B0A0
RGB	185, 176, 160
RGB Percent	73%, 69%, 63%
CMY	0.2763, 0.3115, 0.3742
CMYK	0.00, 0.05, 0.14, 0.28
HSL	38°, 15%, 67%
HSV	38°, 14%, 72%
XYZ	41.6456, 43.6590, 39.2909
YIQ	176.8670, 10.5000, -3.0680

# Conversions

## Conversions Part 2

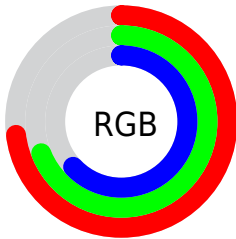
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 185, 160
Decimal	12169376
CIELab	72.00, 0.45, 9.34
CIELCh	72, 9.347, 87.219
Yxy	43.6590, 0.3342, 0.3504
Android (android.graphics.Color)	4290359456 (0xFFB9B0A0)
YUV	176.8670, -8.3154, 7.1326
Hunter-Lab	66.0750, -3.1266, 10.9962

# Details

The CIELCh color  $72, 9.347, 87.219$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $69, 9.290, 270.803$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 9.343, 88.699$ , and  $52, 9.292, 87.808$  is the 20% darker color. If you saturate the color by 10%, you get  $70, 16.457, 85.943$ , and if you desaturate by 10%, it is  $74, 2.408, 88.414$ .

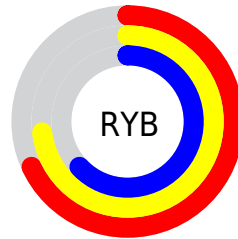
# Distribution



Red (73%)

Green (69%)

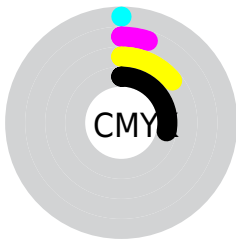
Blue (63%)



Red (68%)

Yellow (73%)

Blue (63%)

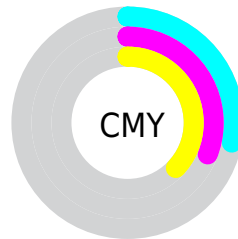


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (28%)



Cyan (28%)

Magenta (31%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 9.347, 87.219 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, 9.347, 87.219 by changing the saturation by 10% instead.



 72, 9.347, 87.219       72, 9.347, 87.219

 100, 9.347, 87.219       62, 9.347, 87.219

 92, 9.347, 87.219       52, 9.347, 87.219

 42, 9.347, 87.219

 32, 9.347, 87.219

 22, 9.347, 87.219

 12, 9.347, 87.219

 2, 9.347, 87.219

 0, 9.347, 87.219

 72, 9.347, 87.219

 72, 9.347, 87.219

70, 16.457, 85.943

74, 2.408, 88.414

68, 23.724, 84.608

76, 4.366, 269.783

66, 31.114, 83.232

79, 10.983,  
270.912

64, 38.542, 81.812

81, 17.453,  
272.016

62, 45.842, 80.327

60, 52.702, 78.731

83, 23.790,  
273.071

58, 58.586, 76.922

85, 22.704,  
266.203

56, 62.756, 74.723

55, 64.712, 73.149

87, 20.644,  
256.045

89, 19.337,  
244.216

90, 18.919,  
231.410



# Harmonies

# Complementary

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



72, 9.347, 87.219



69, 9.290, 270.803

# Rectangle

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



72, 9.347, 87.219



72, 9.347, 137.219



72, 9.347, 267.219



72, 9.347, 317.219

# Sweetspot

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



72, 9.348, 87.231



94, 3.369, 88.362



68, 10.822, 352.745



50, 2.396, 88.283



97, 0.011, 296.813



50, 0.007, 296.813



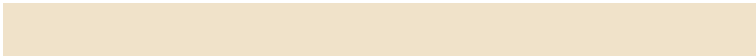


# Same Dimension

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



72, 9.348, 87.231



90, 13.710, 86.886



74, 13.504, 114.384



38, 3.874, 87.754



47, 57.028, 73.589



6, 9.453, 77.312



# Inverse Universe

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



69, 9.290, 270.803



86, 13.598, 271.214



67, 13.913, 296.528



36, 3.862, 270.206



27, 63.856, 294.533



3, 11.562, 276.426



# Previews

## White Background



This preview shows how the CIELCh color 72, 9.347, 87.219 looks on a white background.

## Color Contrast Check

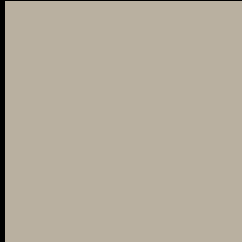
Large Text (above 18pt) WCAG AA × Fail

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, 9.347, 87.219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

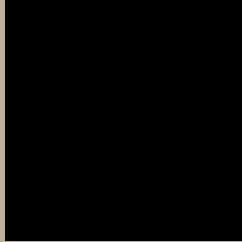
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 9.347, 87.219**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 9.347, 87.219.



This preview shows how white text looks on a background with the CIELCh color 72, 9.347, 87.219.

# 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, 9.347, 87.219

### Protanopia

72, 9.207, 89.490

### Deuteranopia

72, 12.474, 43.172





**Tritanopia**  
72, 9.287, 330.582

# Trichromacy



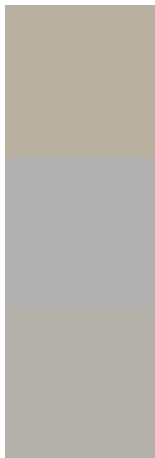
**Original Color**  
72, 9.347, 87.219

**Protanomaly**  
72, 9.207, 89.490

**Deuteranomaly**  
72, 10.861, 56.607

**Tritanomaly**  
72, 5.555, 2.771

# Monochromacy



**Original Color**  
72, 9.347, 87.219

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 3.436, 90.450

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 9.347, 87.219 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(185, 176, 160)` looks like.

```
.text, #text, p{  
    color:rgb(185, 176, 160)  
}
```

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(185, 176, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 176, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 9.347, 87.219 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(185, 176, 160) }
```

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

```
.border{ border-color:rgb(185, 176, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 176, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 176, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 176, 160); box-shadow:4px 4px 4px 4px rgb(185, 176, 160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 9.347, 87.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 176, 160) }
```

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

```
.background{ background-color: rgb(185,  
176, 160) }
```

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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