

# Converting Colors

CIELCh(72, 4.784, 100.588)

Have a look what the booklet for  
CIELCh(72, 4.784, 100.588) contains.

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# Color

**CIELCh(72, 4.929, 100.773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3B1A8
RGB	179, 177, 168
RGB Percent	70%, 69%, 66%
CMY	0.2994, 0.3073, 0.3426
CMYK	0.00, 0.01, 0.06, 0.30
HSL	49°, 7%, 68%
HSV	49°, 6%, 70%
XYZ	41.1950, 43.6590, 43.1296
YIQ	176.5720, 4.0810, -2.3750

# Conversions

## Conversions Part 2

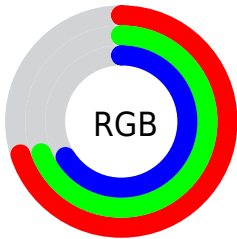
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 179, 168
Decimal	11776424
CIELab	72.00, -0.92, 4.84
CIELCh	72, 4.929, 100.773
Yxy	43.6590, 0.3219, 0.3411
Android (android.graphics.Color)	4289966504 (0xFFB3B1A8)
YUV	176.5720, -4.2260, 2.1294
Hunter-Lab	66.0750, -4.3440, 7.5516

# Details

The CIELCh color **72, 4.929, 100.773** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 4.980, 282.216**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 5.190, 101.743**, and **52, 4.692, 99.521** is the 20% darker color. If you saturate the color by 10%, you get **71, 12.996, 99.685**, and if you desaturate by 10%, it is **73, 3.082, 281.949**.

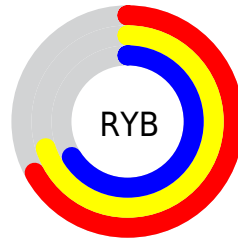
# Distribution



Red (70%)

Green (69%)

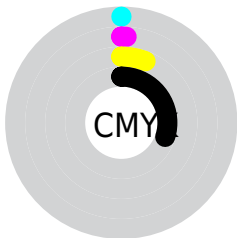
Blue (66%)



Red (67%)

Yellow (70%)

Blue (66%)

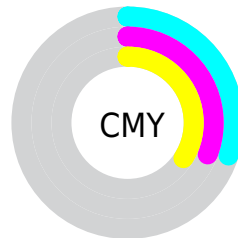


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (30%)



Cyan (30%)

Magenta (31%)

Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 4.929, 100.773 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, 4.929, 100.773 by changing the saturation by 10% instead.



 72, 4.929, 100.773

 72, 4.929, 100.773

 100, 4.929,  
100.773

 62, 4.929, 100.773

 92, 4.929, 100.773

 52, 4.929, 100.773

 42, 4.929, 100.773

 32, 4.929, 100.773

 22, 4.929, 100.773

 12, 4.929, 100.773

 2, 4.929, 100.773

 0, 4.929, 100.773

 72, 4.929, 100.773

 72, 4.929, 100.773

71, 12.996, 99.685

73, 3.082, 281.949

69, 21.084, 98.536

75, 11.027,  
282.964

68, 29.143, 97.362

76, 18.896,  
283.961

67, 37.078, 96.172

66, 44.731, 94.975

78, 26.687,  
284.914

65, 51.836, 93.774

79, 33.365,  
285.466

64, 57.981, 92.565

63, 62.615, 91.325

80, 31.696,  
283.007

62, 65.241, 90.010

81, 30.089,  
280.297

81, 28.557,  
277.307

82, 27.109,  
274.007



# Harmonies

# Complementary

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



72, 4.929, 100.773



70, 4.980, 282.216

# Rectangle

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



72, 4.929, 100.773



72, 4.929, 150.773



72, 4.929, 280.773



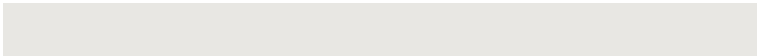
72, 4.929, 330.773

# Sweetspot

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



72, 4.930, 100.791



92, 1.972, 101.188



70, 4.335, 4.971



49, 1.130, 101.195



96, 0.011, 296.813



49, 0.007, 296.813



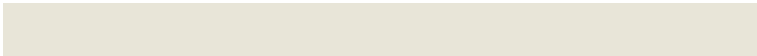


# Same Dimension

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



72, 4.930, 100.791



91, 6.940, 100.688



72, 6.113, 122.100



37, 3.630, 100.652



53, 58.945, 89.684



7, 10.123, 96.663



# Inverse Universe

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



70, 4.980, 282.216



87, 7.015, 282.328



69, 6.195, 302.762



36, 3.670, 282.368



21, 80.504, 302.654



2, 11.505, 283.774



# Previews

## White Background



This preview shows how the CIELCh color 72, 4.929, 100.773 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 CIE LCh color 72, 4.929, 100.773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

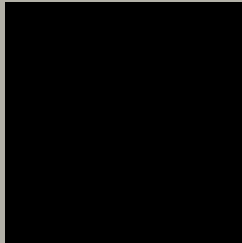
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

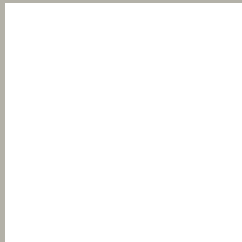
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 72, 4.929, 100.773**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 4.929, 100.773.

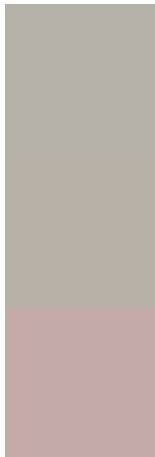


This preview shows how white text looks on a background with the CIELCh color 72, 4.929, 100.773.

# 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, 4.929, 100.773

### Protanopia

72, 5.381, 84.341

### Deuteranopia

72, 10.079, 23.299





**Tritanopia**  
72, 7.707, 313.260

# Trichromacy



**Original Color**  
72, 4.929, 100.773

**Protanomaly**  
72, 5.230, 88.175

**Deuteranomaly**  
72, 7.118, 33.095

**Tritanomaly**  
72, 3.549, 329.510

# Monochromacy



**Original Color**  
72, 4.929, 100.773

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 1.661, 96.870

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 4.929, 100.773 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(179, 177, 168)` looks like.

```
.text, #text, p{  
    color:rgb(179, 177, 168)  
}
```

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(179, 177, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 177, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 4.929, 100.773 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(179, 177, 168) }
```

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

```
.border{ border-color:rgb(179, 177, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 177, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 177, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 177, 168);  
box-shadow:4px 4px 4px 4px rgb(179, 177,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 4.929, 100.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 177, 168) }
```

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

```
.background{ background-color: rgb(179,  
177, 168) }
```

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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