

# Converting Colors

CIELCh(72, 7.409, 91.203)

Have a look what the booklet for  
CIELCh(72, 7.409, 91.203) contains.

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# **Color**

**CIELCh(72, 7.409, 91.203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6B0A3
RGB	182, 176, 163
RGB Percent	71%, 69%, 64%
CMY	0.2861, 0.3097, 0.3606
CMYK	0.00, 0.03, 0.10, 0.29
HSL	41°, 12%, 68%
HSV	41°, 10%, 71%
XYZ	41.4456, 43.6590, 40.9092
YIQ	176.3120, 7.7490, -2.7710

# Conversions

## Conversions Part 2

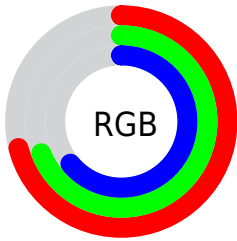
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 182, 163
Decimal	11972771
CIELab	72.00, -0.16, 7.41
CIElCh	72, 7.409, 91.203
Yxy	43.6590, 0.3289, 0.3465
Android (android.graphics.Color)	4290162851 (0xFFB6B0A3)
YUV	176.3120, -6.5628, 4.9884
Hunter-Lab	66.0750, -3.6670, 9.5441

# Details

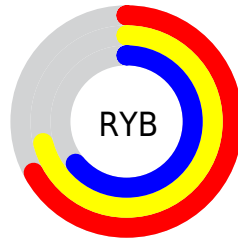
The CIELCh color  $72, 7.409, 91.203$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $69, 7.420, 273.889$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 7.521, 92.638$ , and  $52, 7.789, 93.676$  is the 20% darker color. If you saturate the color by 10%, you get  $70, 14.655, 89.970$ , and if you desaturate by 10%, it is  $74, 0.300, 91.752$ .

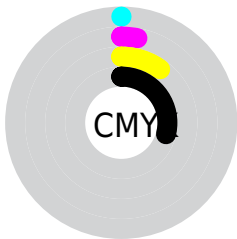
# Distribution



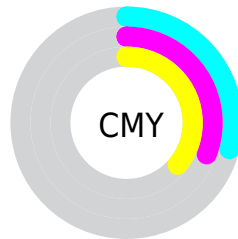
- Red (71%)
- Green (69%)
- Blue (64%)



- Red (67%)
- Yellow (71%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (29%)



- Cyan (29%)
- Magenta (31%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 7.409, 91.203 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, 7.409, 91.203 by changing the saturation by 10% instead.



 72, 7.409, 91.203

 72, 7.409, 91.203

 100, 7.409, 91.203

 62, 7.409, 91.203

 92, 7.409, 91.203

 52, 7.409, 91.203

 42, 7.409, 91.203

 32, 7.409, 91.203

 22, 7.409, 91.203

 12, 7.409, 91.203

 2, 7.409, 91.203

 0, 7.409, 91.203

 72, 7.409, 91.203

 72, 7.409, 91.203

70, 14.655, 89.970

74, 0.300, 91.752

68, 22.019, 88.672

76, 6.676, 273.667

66, 29.467, 87.335

78, 13.520,  
274.772

65, 36.920, 85.957

80, 20.240,  
275.836

63, 44.225, 84.529

61, 51.105, 83.022

82, 26.846,  
276.851

60, 57.093, 81.372

84, 24.845,  
270.840

58, 61.522, 79.458

57, 64.179, 77.347

85, 22.730,  
263.257

87, 21.076,  
254.392

88, 19.986,  
244.385



# Harmonies

# Complementary

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



72, 7.409, 91.203



69, 7.420, 273.889

# Rectangle

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



72, 7.409, 91.203



72, 7.409, 141.203



72, 7.409, 271.203



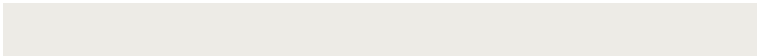
72, 7.409, 321.203

# Sweetspot

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



72, 7.410, 91.218



93, 2.615, 92.051



69, 7.989, 355.745



50, 2.001, 91.974



97, 0.011, 296.813



50, 0.007, 296.813



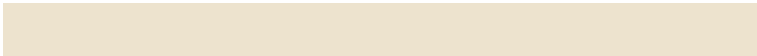


# Same Dimension

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



72, 7.410, 91.218



91, 11.476, 90.877



73, 10.347, 116.632



38, 4.046, 91.350



49, 57.170, 77.704



7, 9.854, 82.329



# Inverse Universe

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



69, 7.420, 273.889



86, 11.484, 274.279



68, 10.583, 298.115



36, 4.052, 273.742



26, 68.560, 297.083

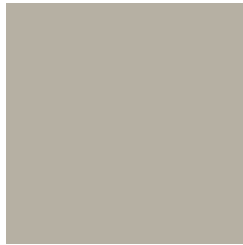


2, 11.986, 278.593



# Previews

## White Background



This preview shows how the CIELCh color 72, 7.409, 91.203 looks on a white background.

## Color Contrast Check

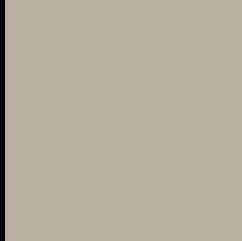
Large Text (above 18pt) WCAG AA × Fail

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, 7.409, 91.203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

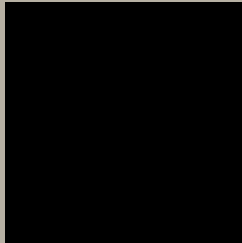
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

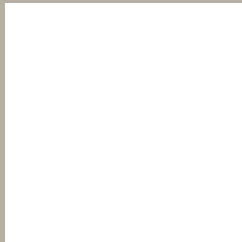
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 72, 7.409, 91.203

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 7.409, 91.203.

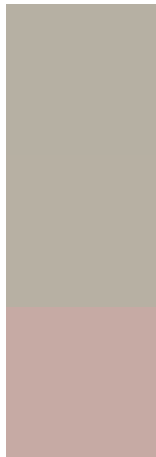


This preview shows how white text looks on a background with the CIELCh color 72, 7.409, 91.203.

# 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, 7.409, 91.203


### Protanopia

72, 7.539, 88.385

### Deuteranopia

72, 11.461, 36.673





**Tritanopia**  
72, 8.400, 322.676

# Trichromacy



**Original Color**  
72, 7.409, 91.203

**Protanomaly**  
72, 7.539, 88.385

**Deuteranomaly**  
72, 8.932, 48.906

**Tritanomaly**  
72, 4.363, 349.798

# Monochromacy



**Original Color**  
72, 7.409, 91.203

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 2.805, 94.215

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 7.409, 91.203 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(182, 176, 163)` looks like.

```
.text, #text, p{  
    color:rgb(182, 176, 163)  
}
```

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(182, 176, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 176, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 7.409, 91.203 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(182, 176, 163) }
```

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

```
.border{ border-color:rgb(182, 176, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 176, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 176, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 176, 163); box-shadow:4px 4px 4px 4px rgb(182, 176, 163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 7.409, 91.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 176, 163) }
```

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

```
.background{ background-color: rgb(182,  
176, 163) }
```

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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