

# Converting Colors

CIELCh(72, 19.027, 96.630)

Have a look what the booklet for  
CIELCh(72, 19.027, 96.630) contains.

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# **Color**

**CIELCh(72, 19.258, 97.399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAB18E
RGB	186, 177, 142
RGB Percent	73%, 69%, 56%
CMY	0.2719, 0.3071, 0.4444
CMYK	0.00, 0.05, 0.24, 0.27
HSL	48°, 24%, 64%
HSV	48°, 24%, 73%
XYZ	40.6880, 43.6590, 31.7513
YIQ	175.7010, 16.5990, -8.9770

# Conversions

## Conversions Part 2

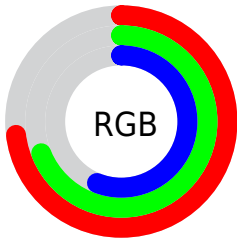
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 186, 142
Decimal	12235150
CIE <sub>Lab</sub>	72.00, -2.48, 19.10
CIE <sub>LCh</sub>	72, 19.258, 97.399
Yxy	43.6590, 0.3505, 0.3761
Android (android.graphics.Color)	4290425230 (0xFFBAB18E)
YUV	175.7010, -16.6146, 9.0322
Hunter-Lab	66.0750, -5.7136, 17.7616

# Details

The CIELCh color **72, 19.258, 97.399** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **63, 19.754, 283.296**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 19.309, 98.462**, and **52, 19.203, 98.533** is the 20% darker color. If you saturate the color by 10%, you get **71, 27.435, 96.205**, and if you desaturate by 10%, it is **73, 11.089, 98.574**.

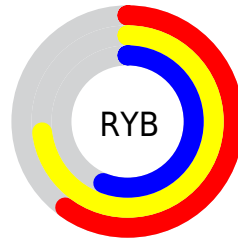
# Distribution



Red (73%)

Green (69%)

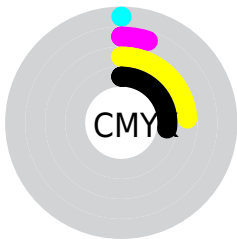
Blue (56%)



Red (60%)

Yellow (73%)

Blue (56%)

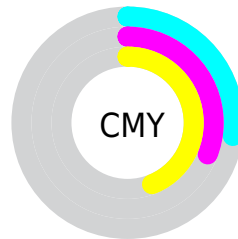


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (44%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 19.258, 97.399 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, 19.258, 97.399 by changing the saturation by 10% instead.



 72, 19.258, 97.399

 72, 19.258, 97.399

 100, 19.258,  
97.399

 62, 19.258, 97.399

 92, 19.258, 97.399

 52, 19.258, 97.399

 42, 19.258, 97.399

 32, 19.258, 97.399

 22, 19.258, 97.399

 12, 19.258, 97.399

 2, 19.258, 97.399

 0, 19.258, 97.399

 72, 19.258, 97.399

 72, 19.258, 97.399

71, 27.435, 96.205

73, 11.089, 98.574

69, 35.539, 94.982

75, 2.969, 99.676

68, 43.430, 93.742

76, 5.080, 280.857

67, 50.873, 92.487

78, 13.045,  
281.895

66, 57.484, 91.208

79, 20.924,  
282.900

65, 62.713, 89.878

64, 65.947, 88.439

81, 28.716,  
283.860

63, 67.194, 87.483

82, 27.817,  
280.951

83, 26.028,  
277.178

84, 24.366,  
272.899

# Harmonies

# Complementary

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



72, 19.258, 97.399



63, 19.754, 283.296

# Rectangle

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



72, 19.258, 97.399



72, 19.258, 147.399



72, 19.258, 277.399



72, 19.258, 327.399

# Sweetspot

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



72, 19.259, 97.405



94, 7.015, 99.314



63, 18.185, 4.450



51, 4.597, 99.248



98, 0.011, 296.813



51, 0.007, 296.813



# Same Dimension

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



72, 19.259, 97.405



91, 28.286, 96.835



73, 24.097, 119.779



38, 4.538, 99.069



53, 59.026, 87.723



8, 11.291, 93.960





# Inverse Universe

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



63, 19.754, 283.296



77, 29.189, 284.083



61, 25.252, 302.754



36, 4.588, 281.263



22, 79.584, 301.939



2, 13.118, 283.401



# Previews

## White Background



This preview shows how the CIELCh color 72, 19.258, 97.399 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, 19.258, 97.399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

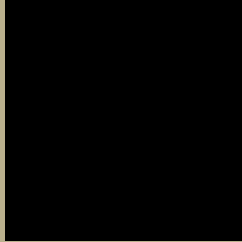
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

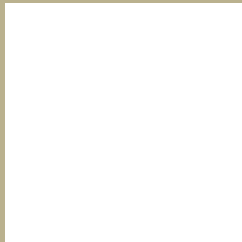
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 72, 19.258, 97.399

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 19.258, 97.399.



This preview shows how white text looks on a background with the CIELCh color 72, 19.258, 97.399.

# 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, 19.258, 97.399

### Protanopia

72, 19.452, 95.024

### Deuteranopia

72, 20.678, 64.771



**Tritanopia**  
72, 10.324, 337.096



# Trichromacy



**Original Color**  
72, 19.258, 97.399

**Protanomaly**  
72, 19.452, 95.024

**Deuteranomaly**  
72, 19.069, 74.791

**Tritanomaly**  
72, 6.523, 39.206

# Monochromacy



**Original Color**  
72, 19.258, 97.399

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 7.138, 100.136

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 19.258, 97.399 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(186, 177, 142)` looks like.

```
.text, #text, p{  
    color:rgb(186, 177, 142)  
}
```

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(186, 177, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 177, 142) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 19.258, 97.399 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(186, 177, 142) }
```

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

```
.border{ border-color:rgb(186, 177, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 177, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 177, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 177, 142);  
box-shadow:4px 4px 4px 4px rgb(186, 177,  
142) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 19.258, 97.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 177, 142) }
```

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

```
.background{ background-color: rgb(186,  
177, 142) }
```

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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