

# Converting Colors

CIELCh(72, 1.305, 71.185)

Have a look what the booklet for  
CIELCh(72, 1.305, 71.185) contains.

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# Color

**CIELCh(72, 1.309, 74.895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2B0AE
RGB	178, 176, 174
RGB Percent	70%, 69%, 68%
CMY	0.3013, 0.3092, 0.3170
CMYK	0.00, 0.01, 0.02, 0.30
HSL	30°, 3%, 69%
HSV	30°, 2%, 70%
XYZ	41.6086, 43.6590, 46.3593
YIQ	176.3700, 1.8340, -0.1980

# Conversions

## Conversions Part 2

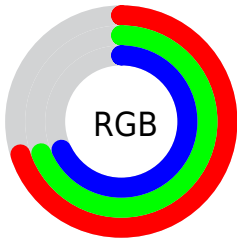
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 178, 174
Decimal	11710638
CIELab	72.00, 0.34, 1.26
CIELCh	72, 1.309, 74.895
Yxy	43.6590, 0.3161, 0.3317
Android (android.graphics.Color)	4289900718 (0xFFB2B0AE)
YUV	176.3700, -1.1684, 1.4295
Hunter-Lab	66.0750, -3.2264, 4.6537

# Details

The CIELCh color  $72, 1.309, 74.895$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $72, 1.316, 256.030$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 1.689, 84.959$ , and  $52, 1.216, 90.704$  is the 20% darker color. If you saturate the color by 10%, you get  $69, 7.331, 73.983$ , and if you desaturate by 10%, it is  $75, 4.457, 256.495$ .

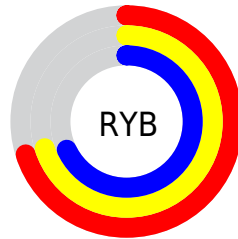
# Distribution



Red (70%)

Green (69%)

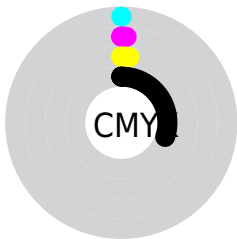
Blue (68%)



Red (70%)

Yellow (70%)

Blue (68%)

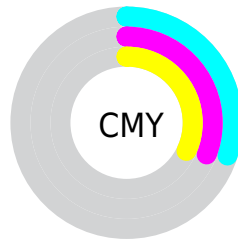


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (30%)



Cyan (30%)

Magenta (31%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 1.309, 74.895 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, 1.309, 74.895 by changing the saturation by 10% instead.



■ 72, 1.309, 74.895      ■ 72, 1.309, 74.895

100, 1.309, 74.895      ■ 62, 1.309, 74.895

■ 92, 1.309, 74.895      ■ 52, 1.309, 74.895

■ 42, 1.309, 74.895

■ 32, 1.309, 74.895

■ 22, 1.309, 74.895

■ 12, 1.309, 74.895

■ 2, 1.309, 74.895

■ 0, 1.309, 74.895

■ 72, 1.309, 74.895      ■ 72, 1.309, 74.895

69, 7.331, 73.983	75, 4.457, 256.495
66, 13.631, 72.774	78, 9.993, 257.600
64, 20.227, 71.537	81, 15.326, 258.696
61, 27.121, 70.286	83, 20.478, 259.756
59, 34.287, 69.021	86, 22.059, 254.079
56, 41.633, 67.721	88, 20.626, 238.950
54, 48.953, 66.330	91, 20.711, 223.011
51, 55.822, 64.719	93, 22.247, 208.419
49, 61.502, 62.630	95, 24.505, 197.906



# Harmonies

# Complementary

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



72, 1.309, 74.895



72, 1.316, 256.030

# Rectangle

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



72, 1.309, 74.895



72, 1.309, 124.895



72, 1.309, 254.895



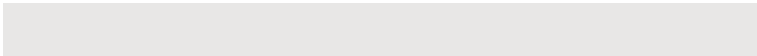
72, 1.309, 304.895

# Sweetspot

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



72, 1.310, 74.981



92, 0.717, 74.812



72, 1.870, 343.632



49, 0.410, 74.786



96, 0.011, 296.813



49, 0.007, 296.813



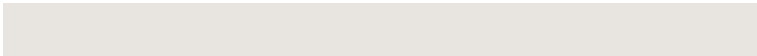


# Same Dimension

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



72, 1.310, 74.981



91, 2.175, 74.953



73, 2.162, 109.939



37, 1.330, 74.906



41, 58.030, 61.254



4, 7.583, 63.091

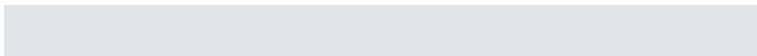


# Inverse Universe

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



72, 1.316, 256.030



91, 2.175, 256.063



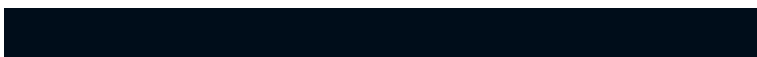
71, 2.189, 290.420



37, 1.326, 256.114



33, 48.690, 283.430

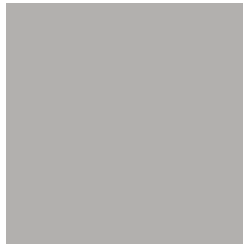


3, 8.807, 266.147



# Previews

## White Background



This preview shows how the CIELCh color 72, 1.309, 74.895 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, 1.309, 74.895 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

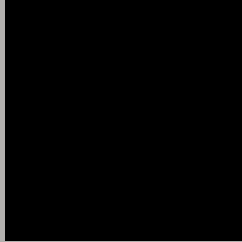
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

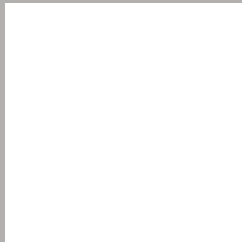
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 72, 1.309, 74.895**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 1.309, 74.895.



This preview shows how white text looks on a background with the CIELCh color 72, 1.309, 74.895.

# 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, 1.309, 74.895

### Protanopia

72, 1.846, 55.193

### Deuteranopia

72, 9.045, 6.310





**Tritanopia**  
72, 7.974, 306.878

# Trichromacy



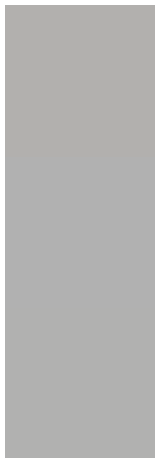
**Original Color**  
72, 1.309, 74.895

**Protanomaly**  
72, 1.555, 63.354

**Deuteranomaly**  
72, 5.804, 9.064

**Tritanomaly**  
72, 4.626, 309.234

# Monochromacy



**Original Color**  
72, 1.309, 74.895

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 0.534, 110.015

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 1.309, 74.895 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(178, 176, 174)` looks like.

```
.text, #text, p{  
    color:rgb(178, 176, 174)  
}
```

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(178, 176, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 176, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 1.309, 74.895 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(178, 176, 174) }
```

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

```
.border{ border-color:rgb(178, 176, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 176, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 176, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 176, 174);  
box-shadow:4px 4px 4px 4px rgb(178, 176,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 1.309, 74.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 176, 174) }
```

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

```
.background{ background-color: rgb(178,  
176, 174) }
```

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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