

# Converting Colors

CIELCh(72, 6.066, 315.929)

Have a look what the booklet for  
CIELCh(72, 6.066, 315.929) contains.

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# Color

**CIELCh(72, 6.066, 315.929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5AEB8
RGB	181, 174, 184
RGB Percent	71%, 68%, 72%
CMY	0.2895, 0.3169, 0.2777
CMYK	0.02, 0.05, 0.00, 0.28
HSL	282°, 7%, 70%
HSV	282°, 5%, 72%
XYZ	42.9435, 43.6590, 51.6144
YIQ	177.2330, 0.9620, 4.5940

# Conversions

## Conversions Part 2

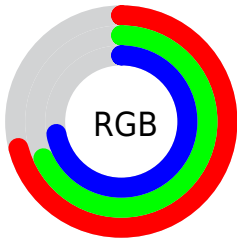
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	181, 174, 184
Decimal	11906744
CIE Lab	72.00, 4.36, -4.22
CIE LCh	72, 6.066, 315.929
Yxy	43.6590, 0.3107, 0.3159
Android (android.graphics.Color)	4290096824 (0xFFB5AEB8)
YUV	177.2330, 3.3361, 3.3037
Hunter-Lab	66.0750, 0.3796, -0.0618

# Details

The CIELCh color  $72, 6.066, 315.929$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $74, 6.025, 135.535$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 6.391, 316.750$ , and  $52, 5.767, 314.920$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 17.408, 316.367$ , and if you desaturate by 10%, it is  $77, 5.027, 135.586$ .

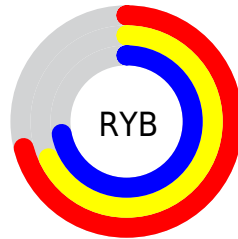
# Distribution



Red (71%)

Green (68%)

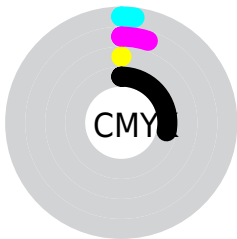
Blue (72%)



Red (71%)

Yellow (68%)

Blue (72%)

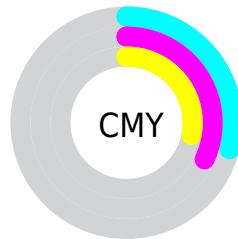


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (28%)



Cyan (29%)

Magenta (32%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 6.066, 315.929 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, 6.066, 315.929 by changing the saturation by 10% instead.



■ 72, 6.066, 315.929

■ 72, 6.066, 315.929

■ 100, 6.066,  
315.929

■ 62, 6.066, 315.929

■ 92, 6.066, 315.929

■ 52, 6.066, 315.929

■ 42, 6.066, 315.929

■ 32, 6.066, 315.929

■ 22, 6.066, 315.929

■ 12, 6.066, 315.929

■ 2, 6.066, 315.929

■ 0, 6.066, 315.929

■ 72, 6.066, 315.929

■ 72, 6.066, 315.929

67, 17.408,  
316.367

77, 5.027, 135.586

62, 28.931,  
316.804

83, 15.828,  
135.187

57, 40.508,  
317.234

88, 26.321,  
134.836

52, 51.933,  
317.633

93, 36.506,  
134.518

47, 62.899,  
317.969

95, 39.802,  
132.908

43, 72.969,  
318.195

96, 38.934,  
130.343

40, 81.592,  
318.253

96, 38.145,  
127.626

37, 88.184,  
318.079

96, 37.445,  
124.761

35, 92.332,

97, 36.843,  
121.758

317.618

# Harmonies

# Complementary

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



72, 6.066, 315.929



74, 6.025, 135.535

# Rectangle

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



72, 6.066, 315.929



72, 6.066, 5.929



72, 6.066, 135.929



72, 6.066, 185.929

# Sweetspot

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



72, 6.064, 315.926



93, 2.763, 315.740



72, 3.879, 273.163



50, 1.570, 315.732



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, 6.064, 315.926



90, 9.702, 316.003



72, 5.831, 330.231



37, 5.060, 316.019



28, 82.721, 317.486



2, 16.674, 312.241



# Inverse Universe

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



72, 4.119, 356.345



90, 6.600, 356.533



74, 5.812, 149.667



37, 3.444, 356.571



32, 60.356, 20.274



2, 11.210, 1.781



# Previews

## White Background



This preview shows how the CIELCh color 72, 6.066, 315.929 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, 6.066, 315.929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

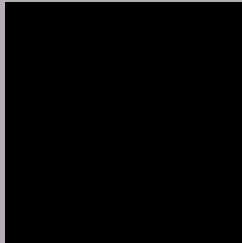
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 6.066, 315.929**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 6.066, 315.929.



This preview shows how white text looks on a background with the CIELCh color 72, 6.066, 315.929.

# 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, 6.066, 315.929

### Protanopia

72, 5.514, 298.362

### Deuteranopia

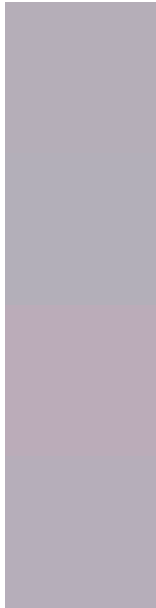
72, 10.440, 333.462





**Tritanopia**  
72, 7.707, 313.260

# Trichromacy



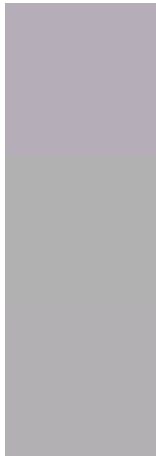
**Original Color**  
72, 6.066, 315.929

**Protanomaly**  
72, 5.667, 305.752

**Deuteranomaly**  
72, 9.052, 328.744

**Tritanomaly**  
72, 7.209, 314.910

# Monochromacy



**Original Color**  
72, 6.066, 315.929

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 2.466, 317.315

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 6.066, 315.929 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(181, 174, 184)` looks like.

```
.text, #text, p{  
    color:rgb(181, 174, 184)  
}
```

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(181, 174, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 174, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 6.066, 315.929 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(181, 174, 184) }
```

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

```
.border{ border-color:rgb(181, 174, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 174, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 174, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 174, 184);  
box-shadow:4px 4px 4px 4px rgb(181, 174,  
184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 6.066, 315.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 174, 184) }
```

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

```
.background{ background-color: rgb(181,  
174, 184) }
```

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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