

# Converting Colors

CIE LCh(72, 4.101, 266.291)

Have a look what the booklet for  
CIELCh(72, 4.101, 266.291) contains.

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# Color

**CIELCh(72, 4.199, 264.782)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACB1B8
RGB	172, 177, 184
RGB Percent	67%, 69%, 72%
CMY	0.3256, 0.3060, 0.2785
CMYK	0.07, 0.04, 0.00, 0.28
HSL	215°, 8%, 70%
HSV	215°, 7%, 72%
XYZ	41.3714, 43.6590, 51.5770
YIQ	176.3030, -5.2270, 1.1170

# Conversions

## Conversions Part 2

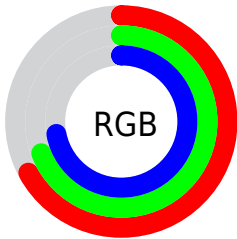
Format	Color
R <sub>Y</sub> B	172, 176, 184
Decimal	11317688
CIE Lab	72.00, -0.38, -4.18
CIE LCh	72, 4.199, 264.782
Yxy	43.6590, 0.3028, 0.3196
Android (android.graphics.Color)	4289507768 (0xFFACB1B8)
YUV	176.3030, 3.7946, -3.7737
Hunter-Lab	66.0750, -3.8674, -0.0283

# Details

The CIELCh color  $72, 4.199, 264.782$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $73, 4.219, 82.971$ , and the grayscale version is  $72, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 4.153, 260.260$ , and  $52, 4.325, 269.727$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 10.647, 266.192$ , and if you desaturate by 10%, it is  $76, 2.220, 83.302$ .

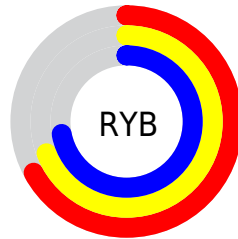
# Distribution



Red (67%)

Green (69%)

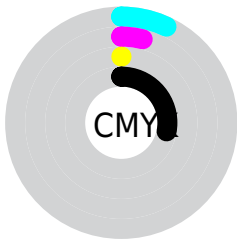
Blue (72%)



Red (67%)

Yellow (69%)

Blue (72%)

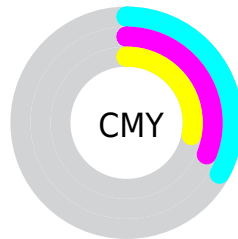


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (28%)



Cyan (33%)

Magenta (31%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 4.199, 264.782 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, 4.199, 264.782 by changing the saturation by 10% instead.



■ 72, 4.199, 264.782

■ 72, 4.199, 264.782

■ 100, 4.199,  
264.782

■ 62, 4.199, 264.782

■ 92, 4.199, 264.782

■ 52, 4.199, 264.782

■ 42, 4.199, 264.782

■ 32, 4.199, 264.782

■ 22, 4.199, 264.782

■ 12, 4.199, 264.782

■ 2, 4.199, 264.782

■ 0, 4.199, 264.782

■ 72, 4.199, 264.782

■ 72, 4.199, 264.782

68, 10.647,  
266.192

76, 2.220, 83.302

64, 17.118,  
267.908

80, 8.597, 82.309

59, 23.602,  
269.932

85, 14.921, 81.379

55, 30.101,  
272.311

92, 25.824, 86.685

51, 36.629,  
275.088

95, 29.676, 97.600

47, 43.217,  
278.287

98, 34.326,  
105.655

43, 49.914,  
281.888

99, 35.691,  
107.458

40, 56.771,  
285.808

37, 63.807,

289.862

# Harmonies

# Complementary

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



72, 4.199, 264.782



73, 4.219, 82.971

# Rectangle

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



72, 4.199, 264.782



72, 4.199, 314.782



72, 4.199, 84.782



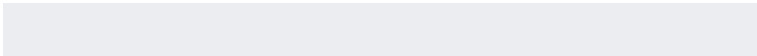
72, 4.199, 134.782

# Sweetspot

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



72, 4.198, 264.760



94, 1.601, 264.319



74, 5.288, 166.924



50, 0.910, 264.317



97, 0.011, 296.813



50, 0.007, 296.813



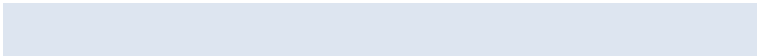


# Same Dimension

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



72, 4.198, 264.760



90, 6.385, 264.969



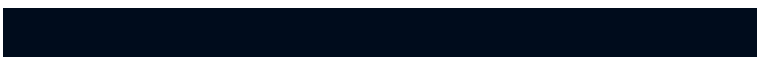
71, 6.575, 293.382



37, 3.641, 265.131



30, 57.773, 290.623



3, 11.016, 273.230



# Inverse Universe

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



71, 5.299, 348.880



90, 8.078, 349.042



74, 6.469, 112.244



36, 4.614, 349.162



33, 58.434, 9.286



2, 11.708, 355.482



# Previews

## White Background



This preview shows how the CIELCh color 72, 4.199, 264.782 looks on a white background.

## Color Contrast Check

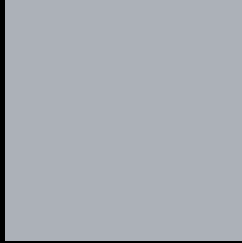
Large Text (above 18pt) WCAG AA × Fail

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, 4.199, 264.782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

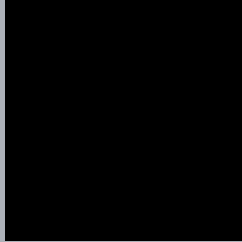
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

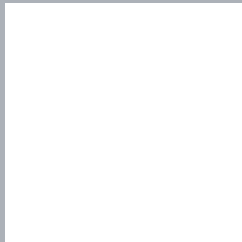
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 72, 4.199, 264.782

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 4.199, 264.782.



This preview shows how white text looks on a background with the CIELCh color 72, 4.199, 264.782.

# 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, 4.199, 264.782

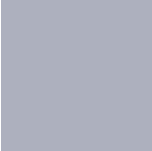
### Protanopia

72, 4.517, 304.792

### Deuteranopia

72, 10.190, 331.886





**Tritanopia**  
72, 7.684, 282.836

# Trichromacy



## Original Color

72, 4.199, 264.782

## Protanomaly

72, 3.817, 290.565

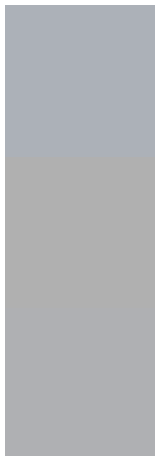
## Deuteranomaly

72, 7.554, 320.062

## Tritanomaly

72, 6.609, 281.359

# Monochromacy



## Original Color

72, 4.199, 264.782

## Achromatopsia

72, 0.009, 296.813

## Achromatomaly

72, 1.677, 277.592

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 4.199, 264.782 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(172, 177, 184)` looks like.

```
.text, #text, p{  
    color:rgb(172, 177, 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(172, 177, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 177, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 4.199, 264.782 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(172, 177, 184) }
```

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

```
.border{ border-color:rgb(172, 177, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 177, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 177, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 177, 184);  
box-shadow:4px 4px 4px 4px rgb(172, 177,  
184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 4.199, 264.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 177, 184) }
```

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

```
.background{ background-color: rgb(172,  
177, 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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