

# Converting Colors

CIELCh(69, 4.173, 324.881)

Have a look what the booklet for  
CIELCh(69, 4.173, 324.881) contains.

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# Color

**CIELCh(69, 4.017, 324.571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADA7AD
RGB	173, 167, 173
RGB Percent	68%, 65%, 68%
CMY	0.3230, 0.3465, 0.3230
CMYK	0.00, 0.03, 0.00, 0.32
HSL	300°, 4%, 67%
HSV	300°, 3%, 68%
XYZ	38.4069, 39.3444, 44.9141
YIQ	169.4780, 1.6500, 3.1380

# Conversions

## Conversions Part 2

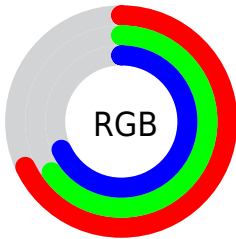
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	173, 167, 173
Decimal	11380653
CIE Lab	69.00, 3.27, -2.33
CIE LCh	69, 4.017, 324.571
Yxy	39.3444, 0.3131, 0.3207
Android (android.graphics.Color)	4289570733 (0xFFADA7AD)
YUV	169.4780, 1.7363, 3.0888
Hunter-Lab	62.7251, -0.4725, 1.4532

# Details

The CIELCh color  $69, 4.017, 324.571$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $70, 4.000, 144.307$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 3.815, 324.512$ , and  $49, 4.290, 324.659$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 15.659, 325.154$ , and if you desaturate by 10%, it is  $74, 7.453, 144.126$ .

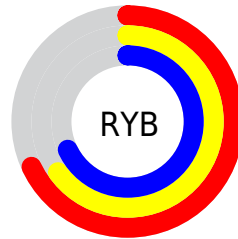
# Distribution



Red (68%)

Green (65%)

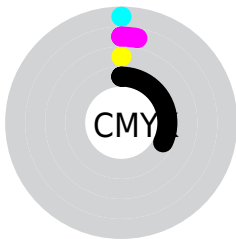
Blue (68%)



Red (68%)

Yellow (65%)

Blue (68%)

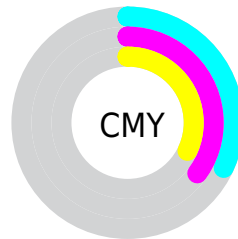


Cyan (0%)

Magenta (3%)

Yellow (0%)

Black (32%)



Cyan (32%)

Magenta (35%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 4.017, 324.571 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 69, 4.017, 324.571 by changing the saturation by 10% instead.



■ 69, 4.017, 324.571

■ 69, 4.017, 324.571

■ 100, 4.017,  
324.571

■ 59, 4.017, 324.571

■ 89, 4.017, 324.571

■ 49, 4.017, 324.571

■ 99, 4.017, 324.571

■ 39, 4.017, 324.571

■ 29, 4.017, 324.571

■ 19, 4.017, 324.571

■ 9, 4.017, 324.571

■ 0, 4.017, 324.571

■ 69, 4.017, 324.571

■ 69, 4.017, 324.571

■ 65, 15.659,

■ 74, 7.453, 144.126

325.154

78, 18.659,  
143.589

60, 27.341,  
325.696

83, 29.553,  
143.086

56, 38.856,  
326.220

88, 40.113,  
142.609

52, 49.918,  
326.711

93, 50.334,  
142.160

49, 60.161,  
327.155

93, 51.530,  
142.108

46, 69.157,  
327.536

93, 51.530,  
142.108

44, 76.476,  
327.838

93, 51.529,  
142.108

42, 81.782,  
328.053

93, 51.529,  
142.107

41, 84.949,  
328.179



# Harmonies

# Complementary

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



69, 4.017, 324.571



70, 4.000, 144.307

# Rectangle

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



69, 4.017, 324.571



69, 4.017, 14.571



69, 4.017, 144.571



69, 4.017, 194.571

# Sweetspot

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



69, 4.015, 324.571



89, 1.435, 324.301



69, 3.247, 289.868



47, 0.815, 324.286



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



69, 4.015, 324.571



87, 5.726, 324.612



69, 2.852, 342.913



36, 3.287, 324.649



35, 77.962, 328.232



2, 13.857, 324.438

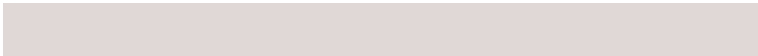


# Inverse Universe

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



69, 2.281, 19.393



87, 3.260, 19.461



70, 2.829, 162.616



35, 1.875, 19.520



31, 69.981, 39.445

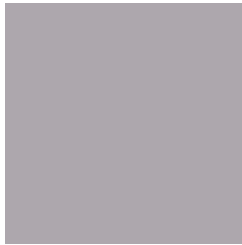


2, 7.802, 19.403



# Previews

## White Background



This preview shows how the CIELCh color 69, 4.017, 324.571 looks on a white background.

## Color Contrast Check

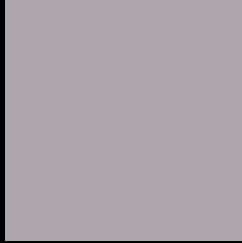
Large Text (above 18pt) WCAG AA × Fail

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 69, 4.017, 324.571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

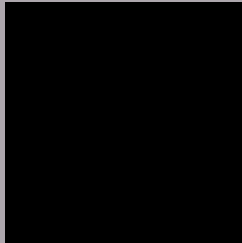
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

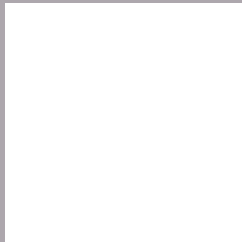
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 69, 4.017, 324.571

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 4.017, 324.571.



This preview shows how white text looks on a background with the CIELCh color 69, 4.017, 324.571.

# 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

69, 4.017, 324.571


### Protanopia

69, 3.503, 309.187

### Deuteranopia

69, 9.078, 343.065





**Tritanopia**  
69, 7.773, 313.273

# Trichromacy



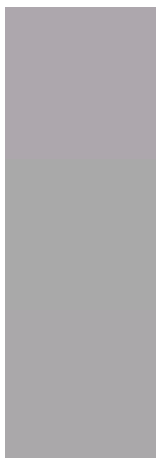
**Original Color**  
69, 4.017, 324.571

**Protanomaly**  
69, 3.644, 314.767

**Deuteranomaly**  
69, 7.550, 339.210

**Tritanomaly**  
69, 6.617, 313.915

# Monochromacy



**Original Color**  
69, 4.017, 324.571

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 1.346, 324.336

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 4.017, 324.571 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(173, 167, 173)` looks like.

```
.text, #text, p{  
    color:rgb(173, 167, 173)  
}
```

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(173, 167, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 167, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 4.017, 324.571 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(173, 167, 173) }
```

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

```
.border{ border-color:rgb(173, 167, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 167, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 167, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 167, 173);  
box-shadow:4px 4px 4px 4px rgb(173, 167,  
173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 4.017, 324.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 167, 173) }
```

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

```
.background{ background-color: rgb(173,  
167, 173) }
```

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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