

# Converting Colors

CIELCh(70, 10.051, 319.549)

Have a look what the booklet for  
CIELCh(70, 10.051, 319.549)  
contains.

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# **Color**

**CIELCh(70, 10.051, 319.549)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A7B7
RGB	180, 167, 183
RGB Percent	71%, 65%, 72%
CMY	0.2942, 0.3452, 0.2824
CMYK	0.02, 0.09, 0.00, 0.28
HSL	289°, 10%, 69%
HSV	289°, 9%, 72%
XYZ	41.1783, 40.7494, 50.4844
YIQ	172.7110, 2.6120, 7.7320

# Conversions

## Conversions Part 2

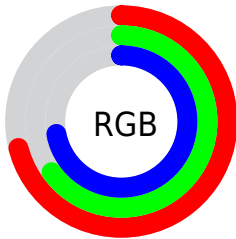
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 167, 183
Decimal	11839415
CIE Lab	70.00, 7.65, -6.52
CIE LCh	70, 10.051, 319.549
Yxy	40.7494, 0.3110, 0.3077
Android (android.graphics.Color)	4290029495 (0xFFB4A7B7)
YUV	172.7110, 5.0725, 6.3925
Hunter-Lab	63.8353, 3.4335, -2.2051

# Details

The CIELCh color **70, 10.051, 319.549** is a light color, and the websafe version is hex **999999**. A complement of this color would be **73, 9.998, 138.800**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 10.177, 319.807**, and **50, 10.018, 319.286** is the 20% darker color. If you saturate the color by 10%, you get **65, 21.707, 320.006**, and if you desaturate by 10%, it is **75, 1.421, 139.270**.

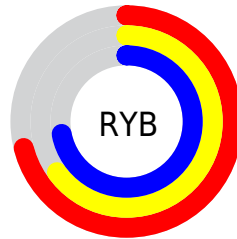
# Distribution



Red (71%)

Green (65%)

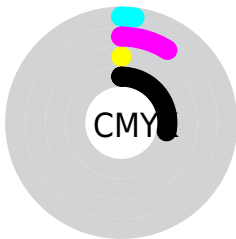
Blue (72%)



Red (71%)

Yellow (65%)

Blue (72%)

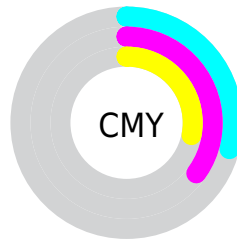


Cyan (2%)

Magenta (9%)

Yellow (0%)

Black (28%)



Cyan (29%)

Magenta (35%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 10.051, 319.549 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 70, 10.051, 319.549 by changing the saturation by 10% instead.





 70, 10.051,  
319.549


 70, 10.051,  
319.549


 100, 10.051,  
319.549


 60, 10.051,  
319.549


 90, 10.051,  
319.549

 50, 10.051,  
319.549

 40, 10.051,  
319.549

 30, 10.051,  
319.549

 20, 10.051,  
319.549

 10, 10.051,  
319.549

 0, 10.051, 319.549

70, 10.051,  
319.549

70, 10.051,  
319.549

65, 21.707,  
320.006

75, 1.421, 139.270

60, 33.432,  
320.452

80, 12.631,  
138.726

56, 45.036,  
320.876

85, 23.545,  
138.322

51, 56.241,  
321.252

90, 34.145,  
137.949

47, 66.662,  
321.550

95, 42.379,  
137.415

44, 75.817,  
321.731

95, 41.756,  
136.050

41, 83.182,  
321.753

95, 41.155,  
134.628

39, 88.320,

95, 40.576,  
133.149

321.575

■ 95, 40.023,  
131.612

■ 38, 91.289,  
321.198

# Harmonies

# Complementary

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



70, 10.051, 319.549



73, 9.998, 138.800

# Rectangle

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



70, 10.051, 319.549



70, 10.051, 9.549



70, 10.051, 139.549



70, 10.051, 189.549

# Sweetspot

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



70, 10.049, 319.548



92, 4.240, 319.260



70, 7.091, 281.451



49, 3.241, 319.307



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



70, 10.049, 319.548



88, 14.208, 319.614



70, 8.614, 334.839



36, 6.533, 319.576



31, 81.239, 321.232



2, 17.306, 316.816



# Inverse Universe

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



70, 6.333, 4.930



87, 8.977, 5.081



73, 8.571, 153.718



36, 4.122, 4.994



32, 64.320, 29.591

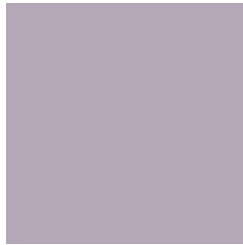


2, 10.875, 8.158



# Previews

## White Background



This preview shows how the CIELCh color 70, 10.051, 319.549 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 70, 10.051, 319.549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

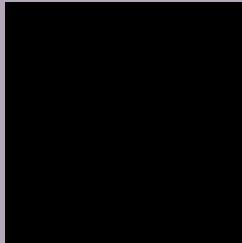
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

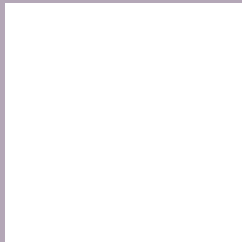
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 70, 10.051, 319.549**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 10.051, 319.549.



This preview shows how white text looks on a background with the CIELCh color 70, 10.051, 319.549.

# 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

70, 10.051, 319.549

### Protanopia

70, 8.221, 291.002

### Deuteranopia

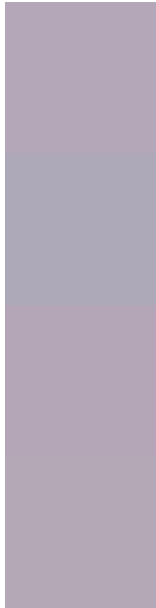
70, 11.096, 323.305





**Tritanopia**  
70, 9.112, 322.870

# Trichromacy



**Original Color**  
70, 10.051, 319.549

**Protanomaly**  
70, 8.453, 303.491

**Deuteranomaly**  
70, 10.902, 321.632

**Tritanomaly**  
70, 9.577, 321.125

# Monochromacy



**Original Color**  
70, 10.051, 319.549

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 3.800, 319.898

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 10.051, 319.549 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(180, 167, 183)` looks like.

```
.text, #text, p{  
    color:rgb(180, 167, 183)  
}
```

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(180, 167, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 167, 183) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 10.051, 319.549 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(180, 167, 183) }
```

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

```
.border{ border-color:rgb(180, 167, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 167, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 167, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 167, 183); box-shadow:4px 4px 4px 4px rgb(180, 167, 183) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 10.051, 319.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 167, 183) }
```

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

```
.background{ background-color: rgb(180,  
167, 183) }
```

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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