

# Converting Colors

CIELCh(70, 18.931, 321.195)

Have a look what the booklet for  
CIELCh(70, 18.931, 321.195)  
contains.

<b>CIELCh(70, 19.044, 321.480)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(70, 19.044, 321.480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDA3C1
RGB	189, 163, 193
RGB Percent	74%, 64%, 76%
CMY	0.2597, 0.3616, 0.2440
CMYK	0.02, 0.16, 0.00, 0.24
HSL	292°, 19%, 70%
HSV	292°, 16%, 76%
XYZ	43.5917, 40.7494, 55.8906
YIQ	174.1940, 5.8660, 14.8420

# Conversions

## Conversions Part 2

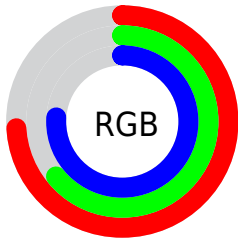
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 163, 193
Decimal	12428225
CIELab	70.00, 14.90, -11.86
CIELCh	70, 19.044, 321.480
Yxy	40.7494, 0.3109, 0.2906
Android (android.graphics.Color)	4290618305 (0xFFBDA3C1)
YUV	174.1940, 9.2714, 12.9849
Hunter-Lab	63.8353, 10.1821, -7.2263

# Details

The CIELCh color  $70, 19.044, 321.480$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $75, 18.944, 139.975$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 18.747, 321.467$ , and  $50, 19.061, 322.444$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 31.414, 321.950$ , and if you desaturate by 10%, it is  $75, 6.753, 320.991$ .

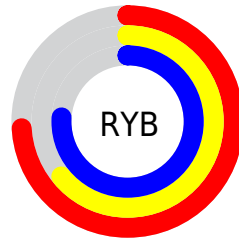
# Distribution



Red (74%)

Green (64%)

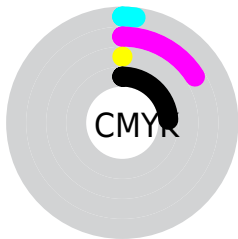
Blue (76%)



Red (74%)

Yellow (64%)

Blue (76%)

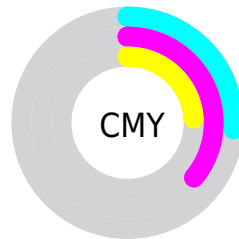


Cyan (2%)

Magenta (16%)

Yellow (0%)

Black (24%)



Cyan (26%)

Magenta (36%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.044, 321.480 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, 19.044, 321.480 by changing the saturation by 10% instead.





 70, 19.044,  
321.480


 70, 19.044,  
321.480


 100, 19.044,  
321.480


 60, 19.044,  
321.480


 90, 19.044,  
321.480

 50, 19.044,  
321.480

 40, 19.044,  
321.480

 30, 19.044,  
321.480

 20, 19.044,  
321.480

 10, 19.044,  
321.480

 0, 19.044, 321.480

70, 19.044,  
321.480

70, 19.044,  
321.480

65, 31.414,  
321.950

75, 6.753, 320.991

60, 43.676,  
322.400

80, 5.329, 140.606

56, 55.542,  
322.810

86, 17.129,  
140.137

52, 66.626,  
323.153

91, 28.607,  
139.714

48, 76.443,  
323.398

95, 37.255,  
139.160

45, 84.465,  
323.511

95, 36.772,  
138.019


43, 90.238,  
323.461


95, 36.301,  
136.837

42, 93.563,

96, 35.844,  
135.616

323.229

 96, 35.402,  
134.353

 41, 94.601,  
323.094

# Harmonies

# Complementary

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



70, 19.044, 321.480



75, 18.944, 139.975

# Rectangle

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



70, 19.044, 321.480



70, 19.044, 11.480



70, 19.044, 141.480



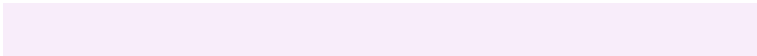
70, 19.044, 191.480

# Sweetspot

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



70, 19.042, 321.480



95, 7.500, 320.965



69, 14.064, 285.123



50, 5.118, 321.003



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



70, 19.042, 321.480



86, 28.771, 321.657



70, 15.513, 337.491



38, 6.939, 321.182



34, 82.631, 323.160



3, 22.634, 320.442



# Inverse Universe

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



70, 11.818, 9.855



86, 18.018, 10.274



75, 15.373, 155.223



38, 4.245, 9.207



33, 68.340, 33.427



3, 14.136, 12.161



# Previews

## White Background



This preview shows how the CIELCh color 70, 19.044, 321.480 looks on a white background.

## Color Contrast Check

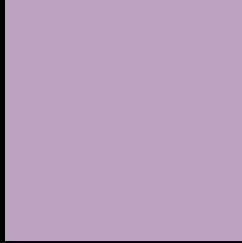
Large Text (above 18pt) WCAG AA × Fail

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 70, 19.044, 321.480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

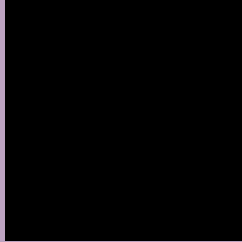
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

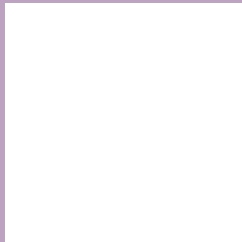
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 19.044, 321.480

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.044, 321.480.



This preview shows how white text looks on a background with the CIELCh color 70, 19.044, 321.480.

# 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, 19.044, 321.480

### Protanopia

70, 14.828, 286.224

### Deuteranopia

70, 14.331, 307.570





**Tritanopia**  
70, 10.949, 339.925

# Trichromacy



**Original Color**  
70, 19.044, 321.480

**Protanomaly**  
70, 15.612, 300.868

**Deuteranomaly**  
70, 16.116, 314.043

**Tritanomaly**  
70, 13.763, 331.597

# Monochromacy



**Original Color**  
70, 19.044, 321.480

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 6.920, 319.592

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 19.044, 321.480 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(189, 163, 193)` looks like.

```
.text, #text, p{  
    color:rgb(189, 163, 193)  
}
```

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(189, 163, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 163, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 19.044, 321.480 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(189, 163, 193) }
```

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

```
.border{ border-color:rgb(189, 163, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 163, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 163, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 163, 193); box-shadow:4px 4px 4px 4px rgb(189, 163, 193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 19.044, 321.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 163, 193) }
```

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

```
.background{ background-color: rgb(189,  
163, 193) }
```

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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