

# Converting Colors

CIELCh(69, 22.059, 342.081)

Have a look what the booklet for  
CIELCh(69, 22.059, 342.081)  
contains.

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# **Color**

**CIELCh(69, 21.750, 342.630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C99CB5
RGB	201, 156, 181
RGB Percent	79%, 61%, 71%
CMY	0.2132, 0.3896, 0.2916
CMYK	0.00, 0.22, 0.10, 0.21
HSL	327°, 29%, 70%
HSV	327°, 22%, 79%
XYZ	44.1188, 39.3444, 48.7896
YIQ	172.3050, 18.7950, 17.3150

# Conversions

## Conversions Part 2

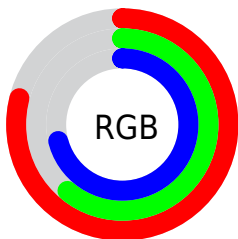
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 156, 181
Decimal	13212853
CIE Lab	69.00, 20.76, -6.49
CIE LCh	69, 21.750, 342.630
Yxy	39.3444, 0.3336, 0.2975
Android (android.graphics.Color)	4291402933 (0xFFC99CB5)
YUV	172.3050, 4.2866, 25.1655
Hunter-Lab	62.7251, 15.7822, -2.2101

# Details

The CIELCh color  $69, 21.750, 342.630$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $77, 21.295, 158.873$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 20.756, 340.412$ , and  $49, 21.809, 342.352$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 31.540, 343.620$ , and if you desaturate by 10%, it is  $74, 11.952, 341.733$ .

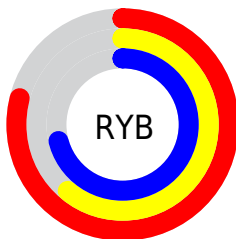
# Distribution



Red (79%)

Green (61%)

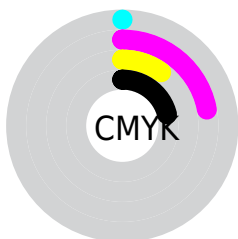
Blue (71%)



Red (79%)

Yellow (61%)

Blue (71%)

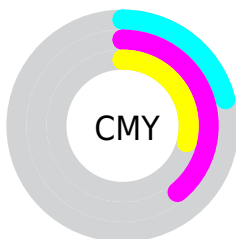


Cyan (0%)

Magenta (22%)

Yellow (10%)

Black (21%)



Cyan (21%)

Magenta (39%)


Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 21.750, 342.630 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, 21.750, 342.630 by changing the saturation by 10% instead.




 69, 21.750,  
342.630


 69, 21.750,  
342.630


 100, 21.750,  
342.630


 59, 21.750,  
342.630


 89, 21.750,  
342.630

 49, 21.750,  
342.630

 99, 21.750,  
342.630

 39, 21.750,  
342.630

 29, 21.750,  
342.630

 19, 21.750,  
342.630

 9, 21.750, 342.630

 0, 21.750, 342.630

69, 21.750,  
342.630

69, 21.750,  
342.630

64, 31.540,  
343.620

74, 11.952,  
341.733

59, 41.087,  
344.732

80, 2.306, 340.792

85, 7.098, 160.275

55, 50.045,  
346.013

90, 16.215,  
159.562

51, 57.969,  
347.525

96, 24.464,  
159.333

48, 64.357,  
349.361

96, 21.638,  
168.407

46, 68.771,  
351.640


96, 19.443,  
179.781

44, 71.013,  
354.507

96, 18.121,  
193.351

44, 71.652,

357.055

 96, 17.910,  
198.320

# Harmonies

# Complementary

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



69, 21.750, 342.630



77, 21.295, 158.873

# Rectangle

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



69, 21.750, 342.630



69, 21.750, 32.630



69, 21.750, 162.630



69, 21.750, 212.630

# Sweetspot

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



69, 21.748, 342.632



95, 8.140, 341.271



67, 25.907, 307.858



50, 5.292, 341.324



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



69, 21.748, 342.632



83, 31.890, 343.109



68, 17.861, 15.852



39, 5.402, 341.469



35, 61.603, 356.456



4, 18.457, 349.559



# Inverse Universe

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



69, 21.748, 342.632



83, 31.890, 343.109



78, 15.695, 192.341



39, 5.402, 341.469



35, 61.603, 356.456

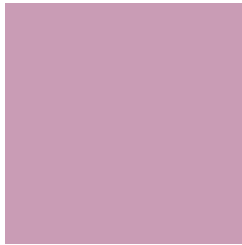


4, 18.457, 349.559



# Previews

## White Background



This preview shows how the CIELCh color 69, 21.750, 342.630 looks on a white background.

## Color Contrast Check

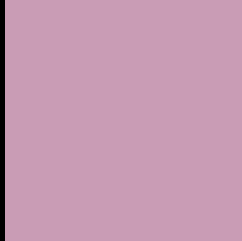
Large Text (above 18pt) WCAG AA × Fail

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 69, 21.750, 342.630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

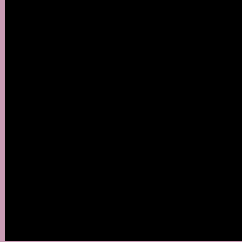
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 69, 21.750, 342.630

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 21.750, 342.630.



This preview shows how white text looks on a background with the CIELCh color 69, 21.750, 342.630.

# 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, 21.750, 342.630

### Protanopia

69, 11.543, 289.564

### Deuteranopia

69, 10.221, 326.635





**Tritanopia**  
69, 17.093, 358.559

# Trichromacy



**Original Color**  
69, 21.750, 342.630

**Protanomaly**  
69, 13.513, 317.076

**Deuteranomaly**  
69, 14.562, 335.096

**Tritanomaly**  
69, 18.856, 351.782

# Monochromacy



**Original Color**  
69, 21.750, 342.630

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 7.824, 341.067

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 21.750, 342.630 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(201, 156, 181)` looks like.

```
.text, #text, p{  
    color:rgb(201, 156, 181)  
}
```

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(201, 156, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 156, 181) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 21.750, 342.630 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(201, 156, 181) }
```

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

```
.border{ border-color:rgb(201, 156, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 156, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 156, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 156, 181);  
box-shadow:4px 4px 4px 4px rgb(201, 156,  
181) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 21.750, 342.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 156, 181) }
```

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

```
.background{ background-color: rgb(201,  
156, 181) }
```

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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