

# Converting Colors

CIELCh(68, 20.952, 340.548)

Have a look what the booklet for  
CIELCh(68, 20.952, 340.548)  
contains.

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**Color**

**CIELCh(68, 20.930, 340.539)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C49AB3
RGB	196, 154, 179
RGB Percent	77%, 60%, 70%
CMY	0.2324, 0.3971, 0.2991
CMYK	0.00, 0.21, 0.09, 0.23
HSL	324°, 26%, 69%
HSV	324°, 21%, 77%
XYZ	42.3201, 37.9720, 47.6093
YIQ	169.4080, 17.0070, 16.6790

# Conversions

## Conversions Part 2

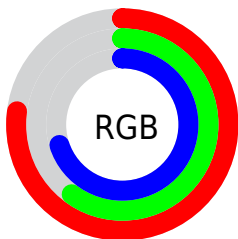
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 154, 179
Decimal	12884659
CIE Lab	68.00, 19.73, -6.97
CIE LCh	68, 20.930, 340.539
Yxy	37.9720, 0.3309, 0.2969
Android (android.graphics.Color)	4291074739 (0xFFC49AB3)
YUV	169.4080, 4.7289, 23.3212
Hunter-Lab	61.6215, 14.7520, -2.6730

# Details

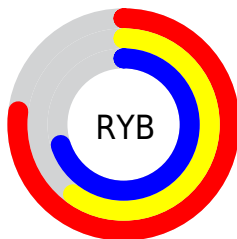
The CIELCh color  $68, 20.930, 340.539$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $76, 20.590, 157.106$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $88, 20.789, 340.424$ , and  $48, 20.593, 341.294$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 30.759, 341.459$ , and if you desaturate by 10%, it is  $73, 11.089, 339.694$ .

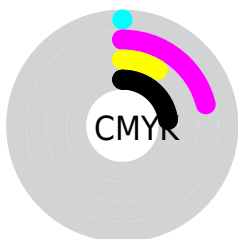
# Distribution



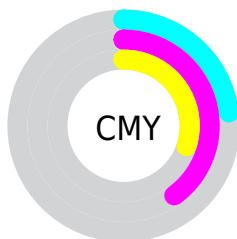
- Red (77%)
- Green (60%)
- Blue (70%)



- Red (77%)
- Yellow (60%)
- Blue (70%)



- Cyan (0%)
- Magenta (21%)
- Yellow (9%)
- Black (23%)




- Cyan (23%)
- Magenta (40%)
- Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 20.930, 340.539 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 68, 20.930, 340.539 by changing the saturation by 10% instead.





 68, 20.930,  
340.539


 68, 20.930,  
340.539


 100, 20.930,  
340.539


 58, 20.930,  
340.539


 88, 20.930,  
340.539

 48, 20.930,  
340.539

 98, 20.930,  
340.539

 38, 20.930,  
340.539

 28, 20.930,  
340.539

 18, 20.930,  
340.539

 8, 20.930, 340.539

 0, 20.930, 340.539

68, 20.930,  
340.539

68, 20.930,  
340.539

63, 30.759,  
341.459

73, 11.089,  
339.694

59, 40.350,  
342.478

78, 1.394, 338.700

84, 8.068, 158.302

54, 49.366,  
343.633

89, 17.251,  
157.621

51, 57.372,  
344.974

94, 26.138,  
157.002

47, 63.874,  
346.573

95, 25.389,  
162.371

45, 68.421,  
348.532


96, 22.995,  
170.284

44, 70.771,  
350.972

96, 21.086,  
179.776

43, 71.419,

353.447

 96, 19.809,  
190.777

# Harmonies

# Complementary

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



68, 20.930, 340.539



76, 20.590, 157.106

# Rectangle

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



68, 20.930, 340.539



68, 20.930, 30.539



68, 20.930, 160.539



68, 20.930, 210.539

# Sweetspot

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



68, 20.928, 340.540



96, 7.167, 339.248



66, 24.135, 306.653



51, 4.757, 339.304



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



68, 20.928, 340.540



84, 31.506, 340.985



67, 16.721, 13.127



38, 5.436, 339.522



35, 61.847, 352.941



3, 16.811, 346.554



# Inverse Universe

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



68, 20.928, 340.540



84, 31.506, 340.985



76, 14.922, 189.531



38, 5.436, 339.522



35, 61.847, 352.941

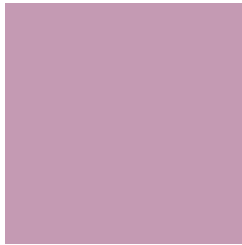


3, 16.811, 346.554



# Previews

## White Background



This preview shows how the CIELCh color 68, 20.930, 340.539 looks on a white background.

## Color Contrast Check

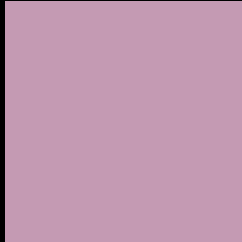
Large Text (above 18pt) WCAG AA × Fail

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 68, 20.930, 340.539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

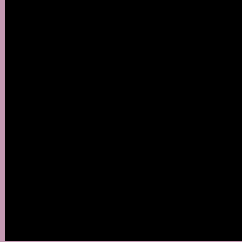
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 20.930, 340.539**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 20.930, 340.539.



This preview shows how white text looks on a background with the CIELCh color 68, 20.930, 340.539.

# 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







**Tritanopia**  
68, 16.052, 356.825

# Trichromacy



**Original Color**  
68, 20.930, 340.539

**Protanomaly**  
68, 13.239, 314.171

**Deuteranomaly**  
68, 14.745, 332.509

**Tritanomaly**  
68, 17.898, 349.819

# Monochromacy



**Original Color**  
68, 20.930, 340.539

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 8.201, 338.095

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 20.930, 340.539 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(196, 154, 179)` looks like.

```
.text, #text, p{  
    color:rgb(196, 154, 179)  
}
```

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(196, 154, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 154, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 20.930, 340.539 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(196, 154, 179) }
```

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

```
.border{ border-color:rgb(196, 154, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 154, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 154, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 154, 179);  
box-shadow:4px 4px 4px 4px rgb(196, 154,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 20.930, 340.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 154, 179) }
```

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

```
.background{ background-color: rgb(196,  
154, 179) }
```

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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