

# Converting Colors

CIELCh(67, 13.533, 310.375)

Have a look what the booklet for  
CIELCh(67, 13.533, 310.375)  
contains.

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# Color

**CIELCh(67, 13.518, 310.372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB9FB6
RGB	171, 159, 182
RGB Percent	67%, 62%, 71%
CMY	0.3310, 0.3780, 0.2879
CMYK	0.06, 0.13, 0.00, 0.29
HSL	271°, 14%, 67%
HSV	271°, 13%, 71%
XYZ	37.4372, 36.6320, 49.1320
YIQ	165.2100, -0.2310, 9.6970

# Conversions

## Conversions Part 2

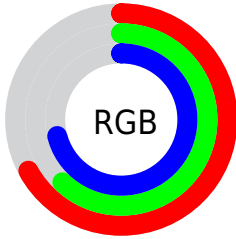
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 159, 182
Decimal	11247542
CIELab	67.00, 8.76, -10.30
CIElCh	67, 13.518, 310.372
Yxy	36.6320, 0.3039, 0.2973
Android (android.graphics.Color)	4289437622 (0xFFAB9FB6)
YUV	165.2100, 8.2775, 5.0778
Hunter-Lab	60.5244, 4.4931, -5.7630

# Details

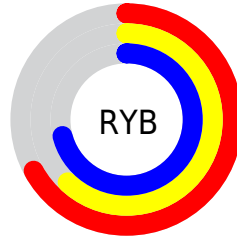
The CIELCh color  $67, 13.518, 310.372$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $72, 13.294, 129.280$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 13.312, 309.514$ , and  $47, 13.207, 310.593$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 24.511, 310.856$ , and if you desaturate by 10%, it is  $72, 2.805, 309.893$ .

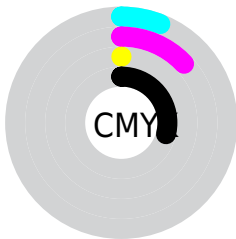
# Distribution



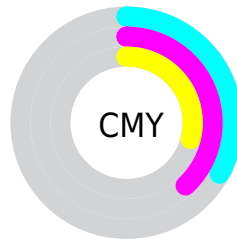
- Red (67%)
- Green (62%)
- Blue (71%)



- Red (67%)
- Yellow (62%)
- Blue (71%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)




- Cyan (33%)
- Magenta (38%)
- Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 13.518, 310.372 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 67, 13.518, 310.372 by changing the saturation by 10% instead.





 67, 13.518,  
310.372


 67, 13.518,  
310.372


 100, 13.518,  
310.372


 57, 13.518,  
310.372


 87, 13.518,  
310.372


 47, 13.518,  
310.372


 97, 13.518,  
310.372

 37, 13.518,  
310.372

 27, 13.518,  
310.372

 17, 13.518,  
310.372

 7, 13.518, 310.372

 0, 13.518, 310.372

67, 13.518,  
310.372

67, 13.518,  
310.372

62, 24.511,  
310.856

72, 2.805, 309.893

56, 35.730,  
311.365

78, 7.596, 129.546

51, 47.059,  
311.882

83, 17.682,  
129.175

46, 58.296,  
312.376

89, 27.456,  
128.850

41, 69.107,  
312.798

94, 36.928,  
128.566

37, 78.982,  
313.076

96, 38.996,  
125.527


33, 87.238,  
313.114


97, 38.043,  
120.974

30, 93.153,

97, 37.352,  
116.135

312.805

 98, 36.955,  
111.079

 29, 96.243,  
312.416

# Harmonies

# Complementary

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



67, 13.518, 310.372



72, 13.294, 129.280

# Rectangle

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



67, 13.518, 310.372



67, 13.518, 0.372



67, 13.518, 130.372



67, 13.518, 180.372

# Sweetspot

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



67, 13.516, 310.370



91, 5.248, 309.967



69, 7.573, 258.936



48, 3.763, 310.004



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



67, 13.516, 310.370



84, 19.965, 310.494



68, 15.157, 325.562



36, 6.076, 310.216



24, 85.744, 312.551



2, 16.011, 305.638



# Inverse Universe

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



68, 10.671, 345.884



85, 15.755, 346.131



72, 15.138, 144.143



36, 4.799, 345.574



33, 58.468, 3.417



3, 12.064, 352.030



# Previews

## White Background



This preview shows how the CIELCh color 67, 13.518, 310.372 looks on a white background.

## Color Contrast Check

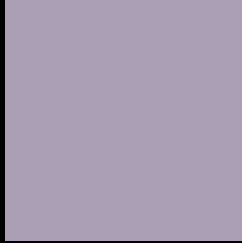
Large Text (above 18pt) WCAG AA × Fail

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 67, 13.518, 310.372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

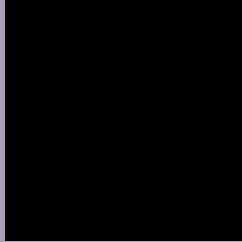
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 13.518, 310.372

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 13.518, 310.372.



This preview shows how white text looks on a background with the CIELCh color 67, 13.518, 310.372.

# 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**  
67, 13.518, 310.372

**Protanopia**  
67, 12.168, 288.058

**Deuteranopia**  
67, 13.402, 308.878





**Tritanopia**  
67, 7.976, 315.777

# Trichromacy



**Original Color**  
67, 13.518, 310.372

**Protanomaly**  
67, 12.236, 296.503

**Deuteranomaly**  
67, 13.402, 308.878

**Tritanomaly**  
67, 10.303, 314.415

# Monochromacy



**Original Color**  
67, 13.518, 310.372

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 4.686, 309.247

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 13.518, 310.372 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(171, 159, 182)` looks like.

```
.text, #text, p{  
    color:rgb(171, 159, 182)  
}
```

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(171, 159, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 159, 182) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 13.518, 310.372 is called "border". The border property can be set on classes, ids or directly on the HTML element.

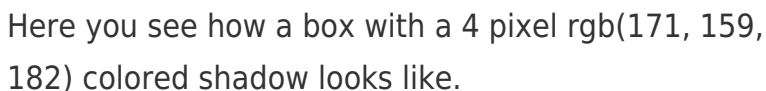
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 159, 182) }
```

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

```
.border{ border-color:rgb(171, 159, 182) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 159, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 159, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 159, 182); box-shadow:4px 4px 4px 4px rgb(171, 159, 182) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 13.518, 310.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 159, 182) }
```

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

```
.background{ background-color: rgb(171,  
159, 182) }
```

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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