

# Converting Colors

CIELCh(67, 11.610, 308.137)

Have a look what the booklet for  
CIELCh(67, 11.610, 308.137)  
contains.

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# Color

**CIELCh(67, 11.715, 309.557)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A99FB3
RGB	169, 159, 179
RGB Percent	66%, 62%, 70%
CMY	0.3361, 0.3753, 0.2969
CMYK	0.06, 0.11, 0.00, 0.30
HSL	270°, 12%, 66%
HSV	270°, 11%, 70%
XYZ	37.0416, 36.6320, 47.9251
YIQ	164.2700, -0.4600, 8.3400

# Conversions

## Conversions Part 2

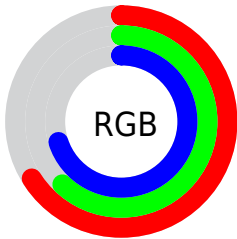
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 159, 179
Decimal	11116467
CIE Lab	67.00, 7.46, -9.03
CIE LCh	67, 11.715, 309.557
Yxy	36.6320, 0.3046, 0.3013
Android (android.graphics.Color)	4289306547 (0xFFA99FB3)
YUV	164.2700, 7.2619, 4.1482
Hunter-Lab	60.5244, 3.3264, -4.5806

# Details

The CIELCh color  $67, 11.715, 309.557$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $72, 11.533, 128.587$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 11.601, 308.633$ , and  $47, 11.285, 309.686$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 22.517, 310.048$ , and if you desaturate by 10%, it is  $72, 1.204, 309.026$ .

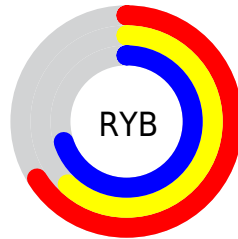
# Distribution



Red (66%)

Green (62%)

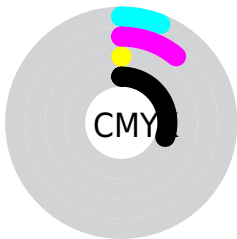
Blue (70%)



Red (66%)

Yellow (62%)

Blue (70%)

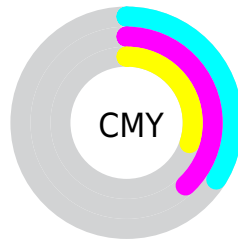


Cyan (6%)

Magenta (11%)

Yellow (0%)

Black (30%)



Cyan (34%)

Magenta (38%)


Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 11.715, 309.557 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, 11.715, 309.557 by changing the saturation by 10% instead.





 67, 11.715,  
309.557


 67, 11.715,  
309.557


 100, 11.715,  
309.557


 57, 11.715,  
309.557


 87, 11.715,  
309.557


 47, 11.715,  
309.557


 97, 11.715,  
309.557

 37, 11.715,  
309.557

 27, 11.715,  
309.557

 17, 11.715,  
309.557

 7, 11.715, 309.557

 0, 11.715, 309.557

67, 11.715,  
309.557

67, 11.715,  
309.557

62, 22.517,  
310.048

72, 1.204, 309.026

56, 33.568,  
310.570

78, 8.993, 128.725

51, 44.771,  
311.109

83, 18.874,  
128.359

46, 55.949,  
311.636

89, 28.447,  
128.039

41, 66.804,  
312.106

94, 37.725,  
127.759

37, 76.864,  
312.448

96, 40.029,  
124.796

33, 85.470,  
312.568


97, 39.080,  
120.184

30, 91.869,

97, 38.410,  
115.291

312.352

 98, 38.048,  
110.189

 28, 95.777,  
311.921

# Harmonies

# Complementary

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



67, 11.715, 309.557



72, 11.533, 128.587

# Rectangle

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



67, 11.715, 309.557



67, 11.715, 359.557



67, 11.715, 129.557



67, 11.715, 179.557

# Sweetspot

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



67, 11.713, 309.555



90, 3.846, 309.164



69, 6.432, 255.078



48, 2.941, 309.206



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



67, 11.713, 309.555



83, 16.881, 309.654



68, 13.291, 324.573



35, 5.909, 309.468



23, 85.090, 312.062



1, 13.840, 305.232



# Inverse Universe

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



68, 9.424, 344.538



84, 13.575, 344.727



71, 13.269, 143.374



35, 4.756, 344.370



32, 57.950, 1.312

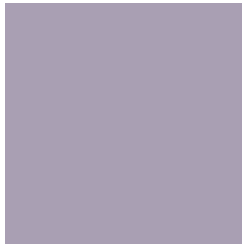


2, 10.605, 349.861



# Previews

## White Background



This preview shows how the CIELCh color 67, 11.715, 309.557 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 67, 11.715, 309.557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

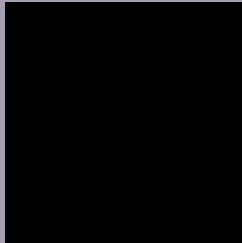
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 11.715, 309.557**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 11.715, 309.557.



This preview shows how white text looks on a background with the CIELCh color 67, 11.715, 309.557.

# 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, 11.715, 309.557


### Protanopia

67, 10.504, 289.291

### Deuteranopia

67, 11.970, 312.937





**Tritanopia**  
67, 7.824, 313.284

# Trichromacy



**Original Color**  
67, 11.715, 309.557

**Protanomaly**  
67, 10.586, 297.177

**Deuteranomaly**  
67, 11.838, 311.263

**Tritanomaly**  
67, 8.853, 310.577

# Monochromacy



**Original Color**  
67, 11.715, 309.557

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 4.168, 311.663

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 11.715, 309.557 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(169, 159, 179)` looks like.

```
.text, #text, p{  
    color:rgb(169, 159, 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(169, 159, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 159, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 11.715, 309.557 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(169, 159, 179) }
```

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

```
.border{ border-color:rgb(169, 159, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 159, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 159, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 159, 179);  
box-shadow:4px 4px 4px 4px rgb(169, 159,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 11.715, 309.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 159, 179) }
```

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

```
.background{ background-color: rgb(169,  
159, 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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