

# Converting Colors

CIELCh(63, 15.419, 315.689)

Have a look what the booklet for  
CIELCh(63, 15.419, 315.689)  
contains.

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# Color

**CIELCh(63, 15.419, 315.689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A493AC
RGB	164, 147, 172
RGB Percent	64%, 58%, 67%
CMY	0.3582, 0.4248, 0.3268
CMYK	0.05, 0.15, 0.00, 0.33
HSL	281°, 13%, 62%
HSV	281°, 15%, 67%
XYZ	33.0363, 31.5869, 43.2142
YIQ	154.9330, 2.1070, 11.3790

# Conversions

## Conversions Part 2

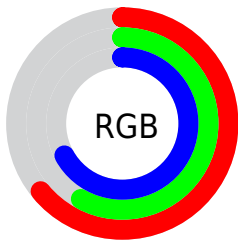
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	164, 147, 172
Decimal	10785708
CIE <sub>Lab</sub>	63.00, 11.03, -10.77
CIE <sub>LCh</sub>	63, 15.419, 315.689
Yxy	31.5869, 0.3064, 0.2929
Android (android.graphics.Color)	4288975788 (0xFFA493AC)
YUV	154.9330, 8.4140, 7.9518
Hunter-Lab	56.2022, 6.5703, -6.2468

# Details

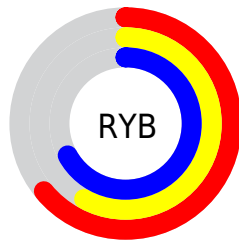
The CIELCh color  $63, 15.419, 315.689$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 15.234, 134.478$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 15.229, 315.958$ , and  $43, 15.831, 315.472$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 26.245, 316.124$ , and if you desaturate by 10%, it is  $68, 4.776, 315.248$ .

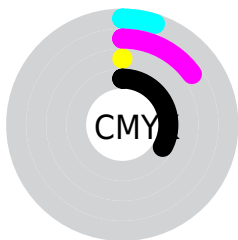
# Distribution



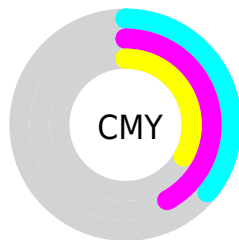
- Red (64%)
- Green (58%)
- Blue (67%)



- Red (64%)
- Yellow (58%)
- Blue (67%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)




- Cyan (36%)
- Magenta (42%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 15.419, 315.689 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 63, 15.419, 315.689 by changing the saturation by 10% instead.




 63, 15.419,  
315.689


 63, 15.419,  
315.689


 100, 15.419,  
315.689


 53, 15.419,  
315.689


 83, 15.419,  
315.689

 43, 15.419,  
315.689

 93, 15.419,  
315.689

 33, 15.419,  
315.689

 23, 15.419,  
315.689

 13, 15.419,  
315.689

 3, 15.419, 315.689

 0, 15.419, 315.689

63, 15.419,  
315.689

63, 15.419,  
315.689

58, 26.245,  
316.124

68, 4.776, 315.248

53, 37.153,  
316.556

73, 5.617, 134.912

49, 47.967,  
316.964

78, 15.732,  
134.527

44, 58.417,  
317.315

83, 25.559,  
134.186

40, 68.114,  
317.563

88, 35.095,  
133.877

37, 76.552,  
317.652

93, 44.350,  
133.600

34, 83.168,  
317.512

95, 46.540,  
132.088

32, 87.507,

95, 45.679,  
129.912

317.083

■ 95, 44.881,  
127.620

■ 31, 89.321,  
316.791

# Harmonies

# Complementary

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



63, 15.419, 315.689



68, 15.234, 134.478

# Rectangle

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



63, 15.419, 315.689



63, 15.419, 5.689



63, 15.419, 135.689



63, 15.419, 185.689

# Sweetspot

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



63, 15.417, 315.688



87, 5.213, 315.224



64, 9.702, 273.093



46, 3.702, 315.260



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



63, 15.417, 315.688



79, 22.450, 315.808



64, 15.021, 330.247



34, 6.013, 315.461



27, 81.009, 316.895



2, 12.296, 312.070



# Inverse Universe

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



63, 10.721, 355.949



79, 15.646, 356.252



68, 14.979, 148.461



34, 4.163, 355.390



31, 58.361, 18.278

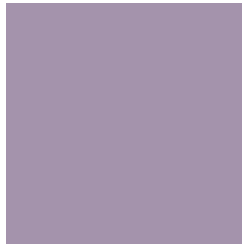


2, 8.382, 358.712



# Previews

## White Background



This preview shows how the CIELCh color 63, 15.419, 315.689 looks on a white background.

## Color Contrast Check

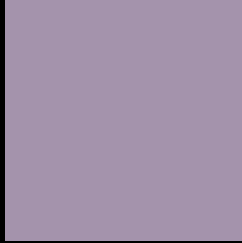
Large Text (above 18pt) WCAG AA × Fail

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 63, 15.419, 315.689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

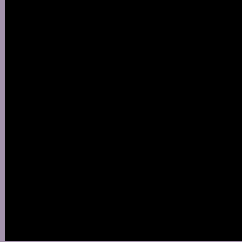
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 63, 15.419, 315.689**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 63, 15.419, 315.689.



This preview shows how white text looks on a background with the CIELCh color 63, 15.419, 315.689.

# 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

63, 15.419, 315.689

### Protanopia

63, 13.441, 288.567

### Deuteranopia

63, 12.914, 308.064





**Tritanopia**  
63, 7.941, 329.406

# Trichromacy



**Original Color**  
63, 15.419, 315.689

**Protanomaly**  
63, 14.165, 299.040

**Deuteranomaly**  
63, 13.814, 311.877

**Tritanomaly**  
63, 10.648, 323.223

# Monochromacy



**Original Color**  
63, 15.419, 315.689

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 5.548, 314.868

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 15.419, 315.689 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(164, 147, 172)` looks like.

```
.text, #text, p{  
    color:rgb(164, 147, 172)  
}
```

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(164, 147, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 147, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 15.419, 315.689 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(164, 147, 172) }
```

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

```
.border{ border-color:rgb(164, 147, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 147, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 147, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 147, 172);  
box-shadow:4px 4px 4px 4px rgb(164, 147,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 15.419, 315.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 147, 172) }
```

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

```
.background{ background-color: rgb(164,  
147, 172) }
```

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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