

# Converting Colors

CIELCh(63, 15.554, 314.209)

Have a look what the booklet for  
CIELCh(63, 15.554, 314.209)  
contains.

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# Color

**CIELCh(63, 15.273, 314.397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A393AC
RGB	163, 147, 172
RGB Percent	64%, 58%, 67%
CMY	0.3612, 0.4239, 0.3259
CMYK	0.05, 0.15, 0.00, 0.33
HSL	278°, 13%, 63%
HSV	278°, 15%, 67%
XYZ	32.9383, 31.5869, 43.3393
YIQ	154.6340, 1.5110, 11.1670

# Conversions

## Conversions Part 2

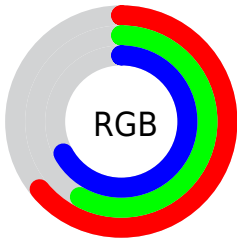
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 147, 172
Decimal	10720172
CIE <sub>Lab</sub>	63.00, 10.69, -10.91
CIE <sub>LCh</sub>	63, 15.273, 314.397
Yxy	31.5869, 0.3054, 0.2928
Android (android.graphics.Color)	4288910252 (0xFFA393AC)
YUV	154.6340, 8.5614, 7.3370
Hunter-Lab	56.2022, 6.2592, -6.3788

# Details

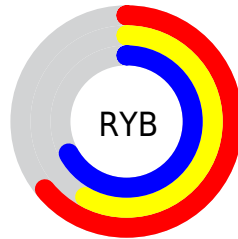
The CIELCh color  $63, 15.273, 314.397$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 15.065, 133.193$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 15.084, 314.722$ , and  $43, 15.683, 314.121$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 26.032, 314.838$ , and if you desaturate by 10%, it is  $68, 4.717, 313.955$ .

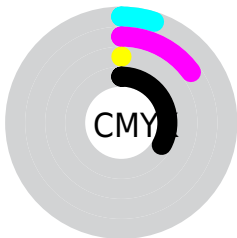
# Distribution



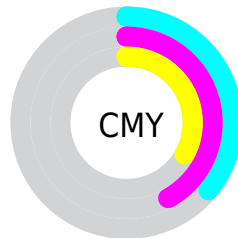
- Red (64%)
- Green (58%)
- Blue (67%)



- 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, 15.273, 314.397 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, 15.273, 314.397 by changing the saturation by 10% instead.





 63, 15.273,  
314.397


 63, 15.273,  
314.397


 100, 15.273,  
314.397


 53, 15.273,  
314.397


 83, 15.273,  
314.397

 43, 15.273,  
314.397

 93, 15.273,  
314.397

 33, 15.273,  
314.397

 23, 15.273,  
314.397

 13, 15.273,  
314.397

 3, 15.273, 314.397

 0, 15.273, 314.397

63, 15.273,  
314.397

63, 15.273,  
314.397

58, 26.032,  
314.838

68, 4.717, 313.955

53, 36.906,  
315.281

73, 5.578, 133.619

48, 47.731,  
315.705

78, 15.590,  
133.240

44, 58.252,  
316.077

83, 25.311,  
132.906

40, 68.091,  
316.349

88, 34.743,  
132.607

36, 76.737,  
316.459

93, 43.894,  
132.340

33, 83.600,  
316.331

95, 45.783,  
130.536

31, 88.174,

95, 44.869,  
127.975

315.894

■ 96, 44.045,  
125.267

■ 30, 90.113,  
315.595

# Harmonies

# Complementary

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



63, 15.273, 314.397



68, 15.065, 133.193

# Rectangle

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



63, 15.273, 314.397



63, 15.273, 4.397



63, 15.273, 134.397



63, 15.273, 184.397

# Sweetspot

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



63, 15.271, 314.396



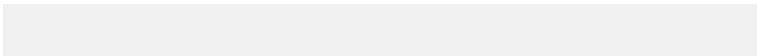
87, 5.159, 313.933



64, 9.351, 270.364



46, 3.664, 313.968



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, 15.271, 314.396



79, 22.242, 314.517



64, 15.377, 329.139



34, 5.953, 314.168



26, 81.633, 315.706



1, 12.171, 310.622



# Inverse Universe

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



63, 10.946, 353.275



79, 15.966, 353.572



68, 15.342, 147.395



34, 4.255, 352.731



31, 57.597, 14.550

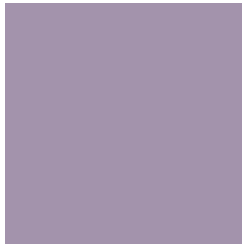


2, 8.525, 356.397



# Previews

## White Background



This preview shows how the CIELCh color 63, 15.273, 314.397 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, 15.273, 314.397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

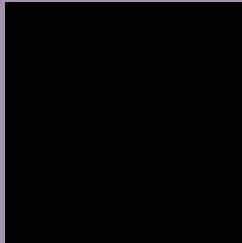
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 15.273, 314.397

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 15.273, 314.397.



This preview shows how white text looks on a background with the CIELCh color 63, 15.273, 314.397.

# 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, 15.273, 314.397


### Protanopia

63, 13.441, 288.567

### Deuteranopia

63, 13.352, 305.869





**Tritanopia**  
63, 8.159, 324.815

# Trichromacy



**Original Color**  
63, 15.273, 314.397

**Protanomaly**  
63, 13.547, 297.771

**Deuteranomaly**  
63, 14.217, 309.689

**Tritanomaly**  
63, 10.933, 319.948

# Monochromacy



**Original Color**  
63, 15.273, 314.397

**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, 15.273, 314.397 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(163, 147, 172)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 147, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 15.273, 314.397 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(163, 147, 172) }
```

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

```
.border{ border-color:rgb(163, 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(163, 147, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 172);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 15.273, 314.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 172) }
```

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

```
.background{ background-color: rgb(163,  
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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