

# Converting Colors

CIELCh(63, 18.456, 298.601)

Have a look what the booklet for  
CIELCh(63, 18.456, 298.601)  
contains.

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# Color

**CIELCh(63, 18.053, 297.742)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A95B5
RGB	154, 149, 181
RGB Percent	60%, 58%, 71%
CMY	0.3971, 0.4167, 0.2912
CMYK	0.15, 0.18, 0.00, 0.29
HSL	249°, 18%, 65%
HSV	249°, 18%, 71%
XYZ	32.3005, 31.5869, 47.9715
YIQ	154.1430, -7.2920, 11.0120

# Conversions

## Conversions Part 2

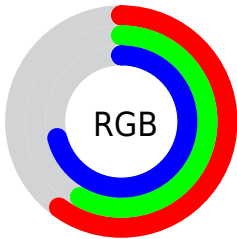
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 149, 181
Decimal	10130869
CIELab	63.00, 8.40, -15.98
CIElCh	63, 18.053, 297.742
Yxy	31.5869, 0.2888, 0.2824
Android (android.graphics.Color)	4288320949 (0xFF9A95B5)
YUV	154.1430, 13.2405, -0.1254
Hunter-Lab	56.2022, 4.2333, -11.2655

# Details

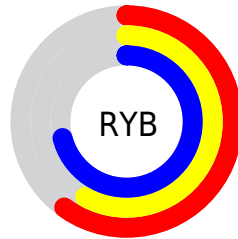
The CIELCh color `63, 18.053, 297.742` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `72, 17.370, 115.009`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 18.156, 298.202`, and `43, 18.224, 298.595` is the 20% darker color. If you saturate the color by 10%, you get `57, 28.808, 298.735`, and if you desaturate by 10%, it is `69, 7.705, 296.879`.

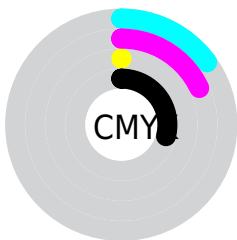
# Distribution



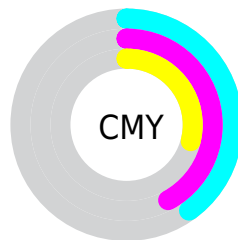
- Red (60%)
- Green (58%)
- Blue (71%)



- Red (60%)
- Yellow (58%)
- Blue (71%)



- Cyan (15%)
- Magenta (18%)
- Yellow (0%)
- Black (29%)




- Cyan (40%)
- Magenta (42%)
- Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 18.053, 297.742 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, 18.053, 297.742 by changing the saturation by 10% instead.





 63, 18.053,  
297.742


 63, 18.053,  
297.742


 100, 18.053,  
297.742


 53, 18.053,  
297.742


 83, 18.053,  
297.742

 43, 18.053,  
297.742

 93, 18.053,  
297.742

 33, 18.053,  
297.742

 23, 18.053,  
297.742

 13, 18.053,  
297.742

 3, 18.053, 297.742

 0, 18.053, 297.742

63, 18.053,  
297.742

63, 18.053,  
297.742

57, 28.808,  
298.735

69, 7.705, 296.879

51, 39.977,  
299.873

75, 2.249, 116.135

45, 51.522,  
301.151

81, 11.834,  
115.499

39, 63.311,  
302.542

87, 21.075,  
114.952

34, 75.020,  
303.973

93, 29.994,  
114.481

29, 85.976,  
305.300

98, 37.494,  
113.053

25, 95.033,  
306.305

98, 37.281,  
107.335

23, 101.059,

306.812

■ 22, 102.282,  
306.937

# Harmonies

# Complementary

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



63, 18.053, 297.742



72, 17.370, 115.009

# Rectangle

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



63, 18.053, 297.742



63, 18.053, 347.742



63, 18.053, 117.742



63, 18.053, 167.742

# Sweetspot

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



63, 18.051, 297.740



89, 6.159, 296.675



70, 9.952, 214.067



47, 4.203, 296.728



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



63, 18.051, 297.740



77, 26.665, 298.088



64, 19.474, 314.863



35, 5.628, 297.010



18, 90.347, 307.012



1, 13.377, 294.912



# Inverse Universe

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



65, 19.213, 330.091



81, 28.206, 330.319



71, 19.168, 133.367



35, 6.060, 329.569



35, 69.982, 335.479

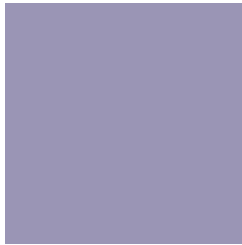


2, 13.888, 331.414



# Previews

## White Background



This preview shows how the CIELCh color 63, 18.053, 297.742 looks on a white background.

## Color Contrast Check

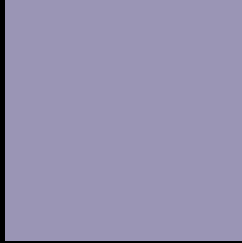
Large Text (above 18pt) WCAG AA × Fail

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, 18.053, 297.742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

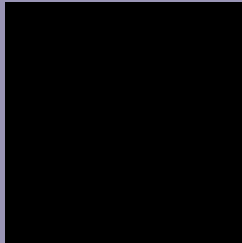
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 18.053, 297.742

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 18.053, 297.742.



This preview shows how white text looks on a background with the CIELCh color 63, 18.053, 297.742.

# 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, 18.053, 297.742

### Protanopia

63, 17.398, 286.270

### Deuteranopia

63, 18.018, 296.614





**Tritanopia**  
63, 6.719, 287.743

# Trichromacy



**Original Color**  
63, 18.053, 297.742

**Protanomaly**  
63, 17.920, 290.977

**Deuteranomaly**  
63, 18.018, 296.614

**Tritanomaly**  
63, 10.651, 293.298

# Monochromacy



**Original Color**  
63, 18.053, 297.742

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
63, 6.766, 297.241

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 18.053, 297.742 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(154, 149, 181)` looks like.

```
.text, #text, p{  
    color:rgb(154, 149, 181)  
}
```

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(154, 149, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 149, 181) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 18.053, 297.742 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(154, 149, 181) }
```

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

```
.border{ border-color:rgb(154, 149, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 149, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 149, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 149, 181);  
box-shadow:4px 4px 4px 4px rgb(154, 149,  
181) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 18.053, 297.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 149, 181) }
```

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

```
.background{ background-color: rgb(154,  
149, 181) }
```

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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