

# Converting Colors

CIELCh(62, 17.936, 336.331)

Have a look what the booklet for  
CIELCh(62, 17.936, 336.331)  
contains.

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# **Color**

**CIELCh(62, 18.033, 335.715)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD8CA3
RGB	173, 140, 163
RGB Percent	68%, 55%, 64%
CMY	0.3205, 0.4499, 0.3597
CMYK	0.00, 0.19, 0.06, 0.32
HSL	318°, 17%, 61%
HSV	318°, 19%, 68%
XYZ	33.3456, 30.4025, 38.8876
YIQ	152.4890, 12.2850, 14.1490

# Conversions

## Conversions Part 2

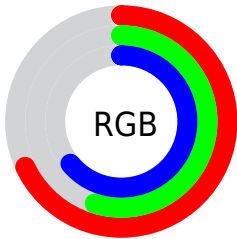
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 140, 163
Decimal	11373731
CIELab	62.00, 16.44, -7.42
CIELCh	62, 18.033, 335.715
Yxy	30.4025, 0.3249, 0.2962
Android (android.graphics.Color)	4289563811 (0xFFAD8CA3)
YUV	152.4890, 5.1819, 17.9881
Hunter-Lab	55.1385, 11.4574, -3.2186

# Details

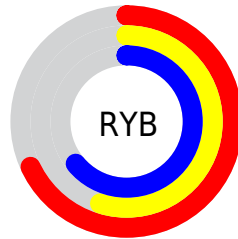
The CIELCh color  $62, 18.033, 335.715$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $68, 17.888, 153.017$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 17.974, 335.930$ , and  $42, 17.589, 335.973$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 27.548, 336.481$ , and if you desaturate by 10%, it is  $67, 8.511, 334.986$ .

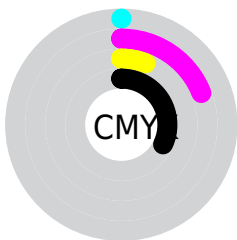
# Distribution



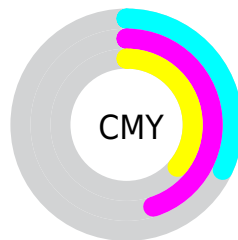
- Red (68%)
- Green (55%)
- Blue (64%)



- Red (68%)
- Yellow (55%)
- Blue (64%)



- Cyan (0%)
- Magenta (19%)
- Yellow (6%)
- Black (32%)




- Cyan (32%)
- Magenta (45%)
- Yellow (36%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 18.033, 335.715 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 62, 18.033, 335.715 by changing the saturation by 10% instead.





 62, 18.033,  
335.715


 62, 18.033,  
335.715


 100, 18.033,  
335.715


 52, 18.033,  
335.715


 82, 18.033,  
335.715

 42, 18.033,  
335.715

 92, 18.033,  
335.715

 32, 18.033,  
335.715

 22, 18.033,  
335.715

 12, 18.033,  
335.715

 2, 18.033, 335.715

 0, 18.033, 335.715

62, 18.033,  
335.715

62, 18.033,  
335.715

58, 27.548,  
336.481

67, 8.511, 334.986

53, 36.859,  
337.297

71, 0.878, 154.699

50, 45.674,  
338.181

76, 10.057,  
153.751

46, 53.614,  
339.154

81, 18.984,  
153.143

43, 60.237,  
340.252

86, 27.640,  
152.578

41, 65.111,  
341.525

91, 36.024,  
152.048


39, 67.937,  
343.042


94, 40.334,  
152.695

38, 68.943,

94, 38.357,  
155.403

344.834

 94, 36.453,  
158.382

 38, 69.020,  
345.009

# Harmonies

# Complementary

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



62, 18.033, 335.715



68, 17.888, 153.017

# Rectangle

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



62, 18.033, 335.715



62, 18.033, 25.715



62, 18.033, 155.715



62, 18.033, 205.715

# Sweetspot

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



62, 18.031, 335.716



86, 6.948, 334.767



60, 19.072, 302.988



45, 4.605, 334.814



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



62, 18.031, 335.716



76, 26.906, 336.043



62, 13.606, 5.117



34, 5.329, 335.004



33, 62.340, 344.759



2, 10.472, 338.331



# Inverse Universe

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



62, 18.031, 335.716



76, 26.906, 336.043



68, 12.616, 181.580



34, 5.329, 335.004



33, 62.340, 344.759



2, 10.472, 338.331



# Previews

## White Background



This preview shows how the CIELCh color 62, 18.033, 335.715 looks on a white background.

## Color Contrast Check

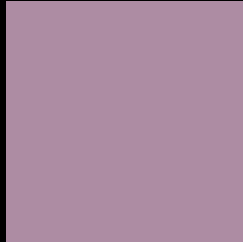
Large Text (above 18pt) WCAG AA × Fail

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 62, 18.033, 335.715 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

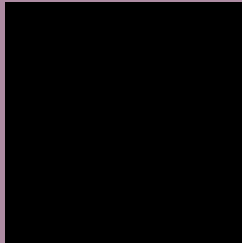
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 18.033, 335.715

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 18.033, 335.715.



This preview shows how white text looks on a background with the CIELCh color 62, 18.033, 335.715.

# 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

62, 18.033, 335.715

### Protanopia

62, 11.237, 287.696

### Deuteranopia

62, 10.289, 319.598





**Tritanopia**  
62, 13.244, 353.154

# Trichromacy



**Original Color**  
62, 18.033, 335.715

**Protanomaly**  
62, 12.543, 310.436

**Deuteranomaly**  
62, 12.688, 327.945

**Tritanomaly**  
62, 14.980, 344.292

# Monochromacy



**Original Color**  
62, 18.033, 335.715

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 6.858, 332.775

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 18.033, 335.715 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(173, 140, 163)` looks like.

```
.text, #text, p{  
    color:rgb(173, 140, 163)  
}
```

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(173, 140, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 140, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 18.033, 335.715 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(173, 140, 163) }
```

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

```
.border{ border-color:rgb(173, 140, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 140, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 140, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 140, 163);  
box-shadow:4px 4px 4px 4px rgb(173, 140,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 18.033, 335.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 140, 163) }
```

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

```
.background{ background-color: rgb(173,  
140, 163) }
```

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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