

# Converting Colors

CIELCh(62, 18.731, 327.298)

Have a look what the booklet for  
CIELCh(62, 18.731, 327.298)  
contains.

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# Color

**CIELCh(62, 18.710, 327.293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA8DA8
RGB	170, 141, 168
RGB Percent	67%, 55%, 66%
CMY	0.3335, 0.4472, 0.3414
CMYK	0.00, 0.17, 0.01, 0.33
HSL	304°, 15%, 61%
HSV	304°, 17%, 67%
XYZ	33.1492, 30.4025, 41.1442
YIQ	152.7490, 8.6170, 14.5450

# Conversions

## Conversions Part 2

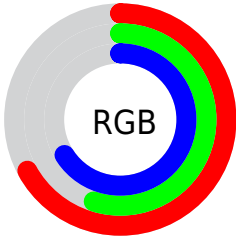
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 141, 168
Decimal	11177384
CIELab	62.00, 15.74, -10.11
CIELCh	62, 18.710, 327.293
Yxy	30.4025, 0.3166, 0.2904
Android (android.graphics.Color)	4289367464 (0xFFAA8DA8)
YUV	152.7490, 7.5187, 15.1291
Hunter-Lab	55.1385, 10.8215, -5.6450

# Details

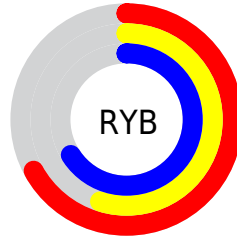
The CIELCh color  $62, 18.710, 327.293$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $67, 18.682, 145.288$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 18.373, 327.026$ , and  $42, 18.569, 327.735$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 29.693, 327.861$ , and if you desaturate by 10%, it is  $66, 7.705, 326.713$ .

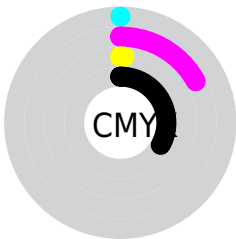
# Distribution



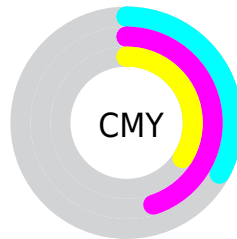
- Red (67%)
- Green (55%)
- Blue (66%)



- Red (67%)
- Yellow (55%)
- Blue (66%)



- Cyan (0%)
- Magenta (17%)
- Yellow (1%)
- Black (33%)




- Cyan (33%)
- Magenta (45%)
- Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 18.710, 327.293 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, 18.710, 327.293 by changing the saturation by 10% instead.





 62, 18.710,  
327.293


 62, 18.710,  
327.293


 100, 18.710,  
327.293


 52, 18.710,  
327.293


 82, 18.710,  
327.293

 42, 18.710,  
327.293

 92, 18.710,  
327.293

 32, 18.710,  
327.293

 22, 18.710,  
327.293

 12, 18.710,  
327.293

 2, 18.710, 327.293

 0, 18.710, 327.293

62, 18.710,  
327.293

62, 18.710,  
327.293

58, 29.693,  
327.861

66, 7.705, 326.713

54, 40.442,  
328.418

71, 3.168, 146.269

50, 50.655,  
328.954

76, 13.816,  
145.674

47, 59.951,  
329.460

80, 24.186,  
145.150

44, 67.899,  
329.927

85, 34.250,  
144.654

42, 74.083,  
330.347

90, 44.001,  
144.185


41, 78.212,  
330.724


93, 50.597,  
143.981

40, 80.327,

93, 50.114,  
144.374

331.065

 93, 49.632,  
144.774

 40, 80.809,  
331.163

# Harmonies

# Complementary

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



62, 18.710, 327.293



67, 18.682, 145.288

# Rectangle

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



62, 18.710, 327.293



62, 18.710, 17.293



62, 18.710, 147.293



62, 18.710, 197.293

# Sweetspot

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



62, 18.708, 327.293



86, 6.769, 326.591



60, 16.451, 294.433



45, 4.657, 326.634



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, 18.708, 327.293



77, 27.261, 327.482



62, 13.318, 348.932



33, 6.134, 326.845



34, 73.006, 331.127



2, 10.932, 327.128



# Inverse Universe

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



62, 18.708, 327.293



77, 27.261, 327.482



67, 12.943, 165.914



33, 6.134, 326.845



34, 73.006, 331.127

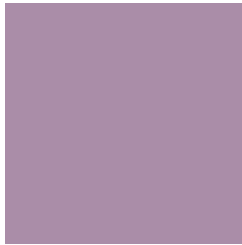


2, 10.932, 327.128



# Previews

## White Background



This preview shows how the CIELCh color 62, 18.710, 327.293 looks on a white background.

## Color Contrast Check

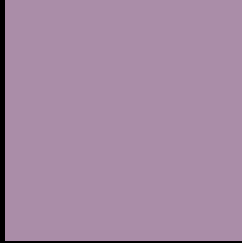
Large Text (above 18pt) WCAG AA × Fail

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 62, 18.710, 327.293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

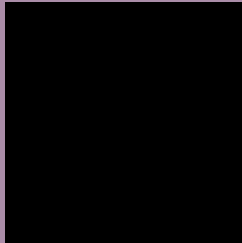
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 18.710, 327.293

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 18.710, 327.293.



This preview shows how white text looks on a background with the CIELCh color 62, 18.710, 327.293.

# 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, 18.710, 327.293

### Protanopia

62, 13.491, 287.069

### Deuteranopia

62, 12.543, 310.436





**Tritanopia**  
62, 11.522, 348.312

# Trichromacy



**Original Color**  
62, 18.710, 327.293

**Protanomaly**  
62, 14.488, 304.830

**Deuteranomaly**  
62, 14.634, 318.869

**Tritanomaly**  
62, 14.112, 338.435

# Monochromacy



**Original Color**  
62, 18.710, 327.293

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 6.358, 327.589

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 18.710, 327.293 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(170, 141, 168)` looks like.

```
.text, #text, p{  
    color:rgb(170, 141, 168)  
}
```

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(170, 141, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 141, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 18.710, 327.293 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(170, 141, 168) }
```

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

```
.border{ border-color:rgb(170, 141, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 141, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 141, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 141, 168);  
box-shadow:4px 4px 4px 4px rgb(170, 141,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 18.710, 327.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 141, 168) }
```

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

```
.background{ background-color: rgb(170,  
141, 168) }
```

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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