

# Converting Colors

CIELCh(62, 11.030, 335.088)

Have a look what the booklet for  
CIELCh(62, 11.030, 335.088)  
contains.

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# **Color**

**CIELCh(62, 11.017, 335.083)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A4909E
RGB	164, 144, 158
RGB Percent	64%, 56%, 62%
CMY	0.3560, 0.4344, 0.3795
CMYK	0.00, 0.12, 0.04, 0.36
HSL	318°, 10%, 60%
HSV	318°, 12%, 64%
XYZ	31.5503, 30.4025, 36.6504
YIQ	151.5760, 7.4260, 8.5940

# Conversions

## Conversions Part 2

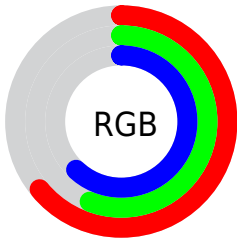
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 144, 158
Decimal	10784926
CIELab	62.00, 9.99, -4.64
CIElCh	62, 11.017, 335.083
Yxy	30.4025, 0.3200, 0.3083
Android (android.graphics.Color)	4288975006 (0xFFA4909E)
YUV	151.5760, 3.1670, 10.8958
Hunter-Lab	55.1385, 5.6455, -0.8130

# Details

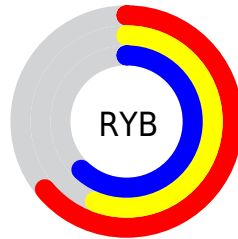
The CIELCh color  $62, 11.017, 335.083$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $66, 10.952, 153.460$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 11.054, 334.330$ , and  $42, 10.816, 334.415$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 20.161, 335.816$ , and if you desaturate by 10%, it is  $66, 1.960, 334.285$ .

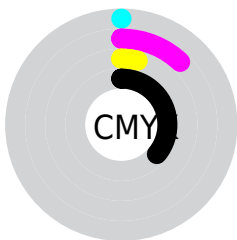
# Distribution



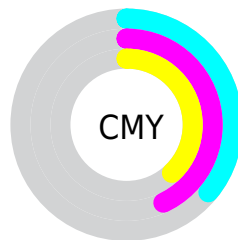
- Red (64%)
- Green (56%)
- Blue (62%)



- Red (64%)
- Yellow (56%)
- Blue (62%)



- Cyan (0%)
- Magenta (12%)
- Yellow (4%)
- Black (36%)




- Cyan (36%)
- Magenta (43%)
- Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 11.017, 335.083 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, 11.017, 335.083 by changing the saturation by 10% instead.





 62, 11.017,  
335.083


 62, 11.017,  
335.083


 100, 11.017,  
335.083


 52, 11.017,  
335.083


 82, 11.017,  
335.083

 42, 11.017,  
335.083

 92, 11.017,  
335.083

 32, 11.017,  
335.083

 22, 11.017,  
335.083

 12, 11.017,  
335.083

 2, 11.017, 335.083

 0, 11.017, 335.083

62, 11.017,  
335.083

62, 11.017,  
335.083

58, 20.161,  
335.816

66, 1.960, 334.285

54, 29.253,  
336.588

71, 6.915, 153.838

50, 38.073,  
337.415

76, 15.560,  
153.213

46, 46.320,  
338.312

80, 23.949,  
152.639

43, 53.613,  
339.304

85, 32.077,  
152.101

40, 59.523,  
340.430

90, 39.949,  
151.596

38, 63.663,  
341.742


93, 45.177,  
151.774

37, 65.812,

93, 43.295,  
153.989

343.312

 93, 41.463,  
156.390

 36, 66.517,  
344.697

# Harmonies

# Complementary

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



62, 11.017, 335.083



66, 10.952, 153.460

# Rectangle

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



62, 11.017, 335.083



62, 11.017, 25.083



62, 11.017, 155.083



62, 11.017, 205.083

# Sweetspot

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



62, 11.015, 335.085



83, 4.464, 334.479



61, 11.534, 302.521



44, 3.168, 334.540



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



62, 11.015, 335.085



77, 16.874, 335.308



62, 8.184, 4.340



32, 5.079, 334.874



32, 60.939, 344.476



1, 7.531, 336.681



# Inverse Universe

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



62, 11.015, 335.085



77, 16.874, 335.308



66, 7.806, 182.237



32, 5.079, 334.874



32, 60.939, 344.476



1, 7.531, 336.681



# Previews

## White Background



This preview shows how the CIELCh color 62, 11.017, 335.083 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, 11.017, 335.083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

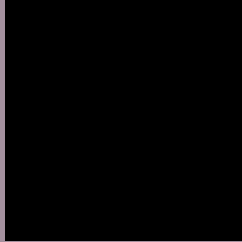
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

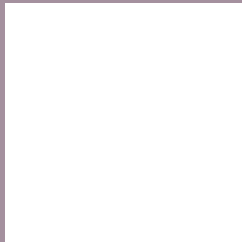
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 62, 11.017, 335.083

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 11.017, 335.083.



This preview shows how white text looks on a background with the CIELCh color 62, 11.017, 335.083.

# 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, 11.017, 335.083

**Protanopia**  
62, 6.739, 290.924

**Deuteranopia**  
62, 9.566, 330.668





**Tritanopia**  
62, 9.606, 340.482

# Trichromacy



**Original Color**  
62, 11.017, 335.083

**Protanomaly**  
62, 7.943, 313.308

**Deuteranomaly**  
62, 9.817, 332.426

**Tritanomaly**  
62, 9.966, 337.998

# Monochromacy



**Original Color**  
62, 11.017, 335.083

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
62, 3.909, 333.936

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 11.017, 335.083 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, 144, 158)` looks like.

```
.text, #text, p{  
    color:rgb(164, 144, 158)  
}
```

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, 144, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 144, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 11.017, 335.083 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, 144, 158) }
```

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

```
.border{ border-color:rgb(164, 144, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 144, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 144, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 144, 158);  
box-shadow:4px 4px 4px 4px rgb(164, 144,  
158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 11.017, 335.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 144, 158) }
```

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

```
.background{ background-color: rgb(164,  
144, 158) }
```

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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