

# Converting Colors

CIELCh(62, 16.817, 320.859)

Have a look what the booklet for  
CIELCh(62, 16.817, 320.859)  
contains.

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# **Color**

**CIELCh(62, 16.817, 320.859)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A58FA9
RGB	165, 143, 169
RGB Percent	65%, 56%, 66%
CMY	0.3539, 0.4401, 0.3382
CMYK	0.02, 0.15, 0.00, 0.34
HSL	291°, 13%, 61%
HSV	291°, 15%, 66%
XYZ	32.3920, 30.4025, 41.5773
YIQ	152.5420, 4.7660, 12.7500

# Conversions

## Conversions Part 2

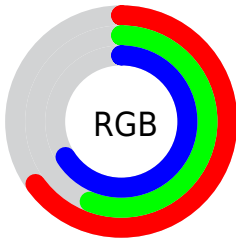
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 143, 169
Decimal	10850217
CIE <sub>Lab</sub>	62.00, 13.04, -10.62
CIE <sub>LCh</sub>	62, 16.817, 320.859
Yxy	30.4025, 0.3104, 0.2913
Android (android.graphics.Color)	4289040297 (0xFFA58FA9)
YUV	152.5420, 8.1138, 10.9257
Hunter-Lab	55.1385, 8.3704, -6.1108

# Details

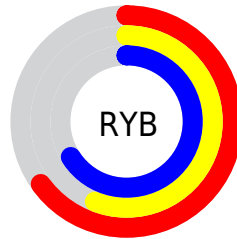
The CIELCh color  $62, 16.817, 320.859$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $67, 16.717, 139.418$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 16.561, 320.882$ , and  $42, 16.582, 320.680$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 27.866, 321.318$ , and if you desaturate by 10%, it is  $67, 5.853, 320.382$ .

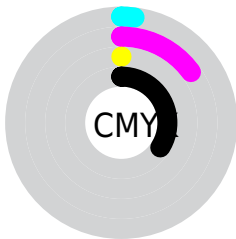
# Distribution



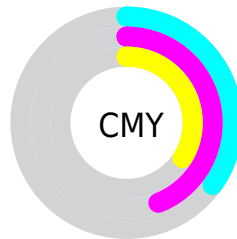
- Red (65%)
- Green (56%)
- Blue (66%)



- Red (65%)
- Yellow (56%)
- Blue (66%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (34%)




- Cyan (35%)
- Magenta (44%)
- Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 16.817, 320.859 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, 16.817, 320.859 by changing the saturation by 10% instead.





 62, 16.817,  
320.859


 62, 16.817,  
320.859


 100, 16.817,  
320.859


 52, 16.817,  
320.859


 82, 16.817,  
320.859


 42, 16.817,  
320.859


 92, 16.817,  
320.859

 32, 16.817,  
320.859

 22, 16.817,  
320.859

 12, 16.817,  
320.859

 2, 16.817, 320.859

 0, 16.817, 320.859

62, 16.817,  
320.859

62, 16.817,  
320.859

58, 27.866,  
321.318

67, 5.853, 320.382

53, 38.846,  
321.758

71, 4.917, 140.011

49, 49.514,  
322.159

76, 15.434,  
139.558

45, 59.542,  
322.497

81, 25.667,  
139.150

42, 68.509,  
322.737

86, 35.602,  
138.771

39, 75.944,  
322.845

90, 45.240,  
138.420


37, 81.421,  
322.785


94, 51.183,  
137.927

36, 84.727,

94, 50.703,  
137.113

322.535

 94, 50.230,  
136.275

 35, 85.897,  
322.393

# Harmonies

# Complementary

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



62, 16.817, 320.859



67, 16.717, 139.418

# Rectangle

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



62, 16.817, 320.859



62, 16.817, 10.859



62, 16.817, 140.859



62, 16.817, 190.859

# Sweetspot

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



62, 16.815, 320.859



85, 6.704, 320.366



61, 12.254, 284.191



44, 4.569, 320.401



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



62, 16.815, 320.859



77, 24.365, 320.994



62, 13.940, 336.733



33, 6.138, 320.572



31, 77.946, 322.453



2, 10.955, 318.658



# Inverse Universe

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



62, 10.534, 8.226



77, 15.362, 8.551



67, 13.827, 154.549



33, 3.795, 7.581



30, 63.218, 31.719

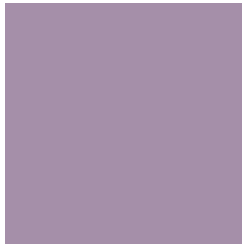


1, 6.710, 8.531



# Previews

## White Background



This preview shows how the CIELCh color 62, 16.817, 320.859 looks on a white background.

## Color Contrast Check

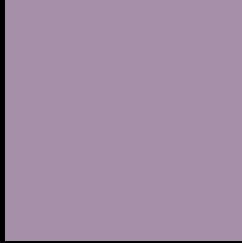
Large Text (above 18pt) WCAG AA × Fail

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, 16.817, 320.859 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

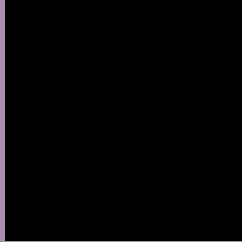
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 62, 16.817, 320.859**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 16.817, 320.859.



This preview shows how white text looks on a background with the CIELCh color 62, 16.817, 320.859.

# 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, 16.817, 320.859

### Protanopia

62, 13.491, 287.069

### Deuteranopia

62, 12.961, 308.075





**Tritanopia**  
62, 9.313, 338.898

# Trichromacy



**Original Color**  
62, 16.817, 320.859

**Protanomaly**  
62, 13.700, 300.835

**Deuteranomaly**  
62, 13.997, 313.333

**Tritanomaly**  
62, 12.252, 329.539

# Monochromacy



**Original Color**  
62, 16.817, 320.859

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 5.926, 321.634

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 16.817, 320.859 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(165, 143, 169)` looks like.

```
.text, #text, p{  
    color:rgb(165, 143, 169)  
}
```

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(165, 143, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 143, 169) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 16.817, 320.859 is called "border". The border property can be set on classes, ids or directly on the HTML element.

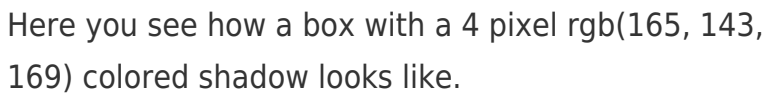
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 143, 169) }
```

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

```
.border{ border-color:rgb(165, 143, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 143, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 143, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 143, 169); box-shadow:4px 4px 4px 4px rgb(165, 143, 169) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 16.817, 320.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 143, 169) }
```

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

```
.background{ background-color: rgb(165,  
143, 169) }
```

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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