

# Converting Colors

CIELCh(62, 5.761, 344.206)

Have a look what the booklet for  
CIELCh(62, 5.761, 344.206) contains.

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# Color

**CIELCh(62, 5.755, 344.203)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F9399
RGB	159, 147, 153
RGB Percent	62%, 58%, 60%
CMY	0.3777, 0.4247, 0.4012
CMYK	0.00, 0.08, 0.04, 0.38
HSL	330°, 6%, 60%
HSV	330°, 8%, 62%
XYZ	30.3482, 30.4025, 34.2737
YIQ	151.2720, 5.2260, 4.4100

# Conversions

## Conversions Part 2

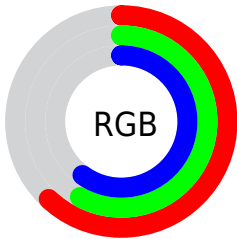
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 147, 153
Decimal	10458009
CIE Lab	62.00, 5.54, -1.57
CIE LCh	62, 5.755, 344.203
Yxy	30.4025, 0.3194, 0.3199
Android (android.graphics.Color)	4288648089 (0xFF9F9399)
YUV	151.2720, 0.8519, 6.7775
Hunter-Lab	55.1385, 1.7540, 1.7428

# Details

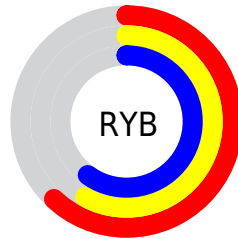
The CIELCh color  $62, 5.755, 344.203$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $64, 5.692, 163.103$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 5.741, 346.217$ , and  $42, 6.194, 344.490$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 13.515, 345.125$ , and if you desaturate by 10%, it is  $66, 1.826, 163.656$ .

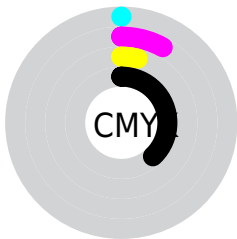
# Distribution



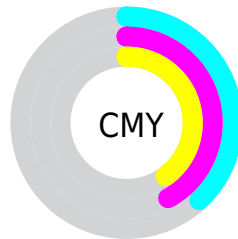
- Red (62%)
- Green (58%)
- Blue (60%)



- Red (62%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (8%)
- Yellow (4%)
- Black (38%)



- Cyan (38%)
- Magenta (42%)
- Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 5.755, 344.203 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, 5.755, 344.203 by changing the saturation by 10% instead.



 62, 5.755, 344.203

 62, 5.755, 344.203

 100, 5.755,  
344.203

 52, 5.755, 344.203

 82, 5.755, 344.203

 42, 5.755, 344.203

 92, 5.755, 344.203

 32, 5.755, 344.203

 22, 5.755, 344.203

 12, 5.755, 344.203

 2, 5.755, 344.203

 0, 5.755, 344.203

 62, 5.755, 344.203

 62, 5.755, 344.203

 58, 13.515,

 66, 1.826, 163.656

345.125

71, 9.177, 162.775

53, 21.371,  
346.119

76, 16.280,  
162.087

49, 29.177,  
347.238

80, 23.131,  
161.459

46, 36.714,  
348.527

85, 29.738,  
160.880

42, 43.682,  
350.049

89, 36.115,  
160.342

39, 49.709,  
351.891

93, 40.726,  
160.684

37, 54.414,  
354.172

93, 38.086,  
165.341

35, 57.518,  
357.041

94, 35.682,  
170.626

34, 59.138, 0.576



# Harmonies

# Complementary

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



62, 5.755, 344.203



64, 5.692, 163.103

# Rectangle

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



62, 5.755, 344.203



62, 5.755, 34.203



62, 5.755, 164.203



62, 5.755, 214.203

# Sweetspot

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



62, 5.753, 344.209



82, 1.878, 343.597



62, 7.146, 309.382



44, 1.076, 343.573



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



62, 5.753, 344.209



78, 8.509, 344.356



62, 4.708, 19.768



31, 4.300, 344.362



30, 55.130, 1.046



1, 5.467, 345.063



# Inverse Universe

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



62, 5.753, 344.209



78, 8.509, 344.356



64, 4.494, 199.103



31, 4.300, 344.362



30, 55.130, 1.046



1, 5.467, 345.063



# Previews

## White Background



This preview shows how the CIELCh color 62, 5.755, 344.203 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, 5.755, 344.203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

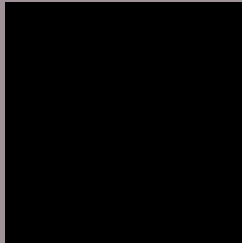
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 5.755, 344.203

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 5.755, 344.203.



This preview shows how white text looks on a background with the CIELCh color 62, 5.755, 344.203.

# 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, 5.755, 344.203


### Protanopia

62, 2.924, 305.632

### Deuteranopia

62, 8.324, 347.673





**Tritanopia**  
62, 7.969, 329.415

# Trichromacy



**Original Color**  
62, 5.755, 344.203

**Protanomaly**  
62, 4.105, 324.598

**Deuteranomaly**  
62, 7.036, 346.222

**Tritanomaly**  
62, 7.141, 335.107

# Monochromacy



**Original Color**  
62, 5.755, 344.203

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 2.576, 338.749

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 5.755, 344.203 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(159, 147, 153)` looks like.

```
.text, #text, p{  
    color:rgb(159, 147, 153)  
}
```

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(159, 147, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 147, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 5.755, 344.203 is called "border". The border property can be set on classes, ids or directly on the HTML element.

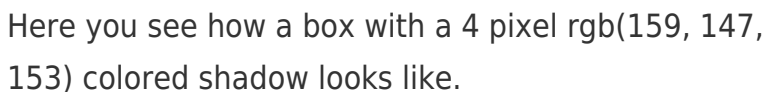
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 147, 153) }
```

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

```
.border{ border-color:rgb(159, 147, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 147, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 147, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 147, 153); box-shadow:4px 4px 4px 4px rgb(159, 147, 153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 5.755, 344.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 147, 153) }
```

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

```
.background{ background-color: rgb(159,  
147, 153) }
```

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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