

# Converting Colors

CIELCh(60, 6.413, 342.935)

Have a look what the booklet for  
CIELCh(60, 6.413, 342.935) contains.

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**Color**

**CIELCh(60, 6.444, 342.246)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A8D94
RGB	154, 141, 148
RGB Percent	60%, 55%, 58%
CMY	0.3955, 0.4464, 0.4190
CMYK	0.00, 0.08, 0.04, 0.40
HSL	328°, 6%, 58%
HSV	328°, 8%, 60%
XYZ	28.2610, 28.1233, 32.0199
YIQ	145.6850, 5.5010, 4.9330

# Conversions

## Conversions Part 2

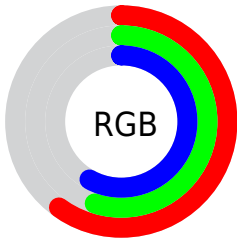
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	154, 141, 148
Decimal	10128788
CIE <sub>Lab</sub>	60.00, 6.14, -1.96
CIE <sub>LCh</sub>	60, 6.444, 342.246
Yxy	28.1233, 0.3197, 0.3181
Android (android.graphics.Color)	4288318868 (0xFF9A8D94)
<b>YUV</b>	145.6850, 1.1413, 7.2923
Hunter-Lab	53.0314, 2.3196, 1.3233

# Details

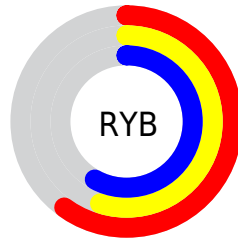
The CIELCh color  $60, 6.444, 342.246$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $62, 6.379, 161.029$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $80, 6.082, 342.065$ , and  $40, 6.250, 344.531$  is the 20% darker color. If you saturate the color by 10%, you get  $56, 14.219, 343.128$ , and if you desaturate by 10%, it is  $64, 1.176, 161.801$ .

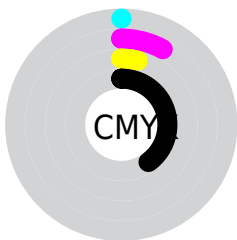
# Distribution



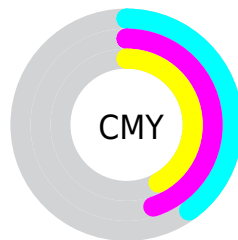
- Red (60%)
- Green (55%)
- Blue (58%)



- Red (60%)
- Yellow (55%)
- Blue (58%)



- Cyan (0%)
- Magenta (8%)
- Yellow (4%)
- Black (40%)



- Cyan (40%)
- Magenta (45%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 6.444, 342.246 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 60, 6.444, 342.246 by changing the saturation by 10% instead.



60, 6.444, 342.246

60, 6.444, 342.246

100, 6.444,  
342.246

50, 6.444, 342.246

80, 6.444, 342.246

40, 6.444, 342.246

90, 6.444, 342.246

30, 6.444, 342.246

20, 6.444, 342.246

10, 6.444, 342.246

0, 6.444, 342.246

60, 6.444, 342.246

60, 6.444, 342.246

56, 14.219,  
343.128

64, 1.176, 161.801

69, 8.581, 160.851

52, 22.061,  
344.077

73, 15.751,  
160.175

48, 29.816,  
345.137

78, 22.678,  
159.558

44, 37.258,  
346.347

82, 29.366,  
158.986

41, 44.080,  
347.761

87, 35.828,  
158.454

38, 49.910,  
349.457

91, 42.077,  
157.958

36, 54.371,  
351.541

93, 42.874,  
159.964

34, 57.194,  
354.146

93, 40.457,  
163.854

33, 58.585,  
357.313

# Harmonies

# Complementary

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



60, 6.444, 342.246



62, 6.379, 161.029

# Rectangle

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



60, 6.444, 342.246



60, 6.444, 32.246



60, 6.444, 162.246



60, 6.444, 212.246

# Sweetspot

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



60, 6.442, 342.251



80, 2.836, 341.737



60, 7.720, 307.679



42, 2.168, 341.825



91, 0.011, 296.813



43, 0.006, 296.813



# Same Dimension

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



60, 6.442, 342.251



76, 9.519, 342.404



60, 5.153, 15.775



30, 4.295, 342.319



30, 54.935, 357.476



1, 4.567, 342.100





# Inverse Universe

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



60, 6.442, 342.251



76, 9.519, 342.404



63, 4.916, 194.790



30, 4.295, 342.319



30, 54.935, 357.476

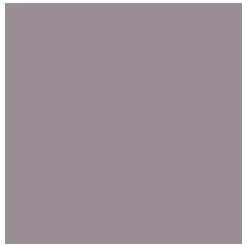


1, 4.567, 342.100



# Previews

## White Background



This preview shows how the CIELCh color 60, 6.444, 342.246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 6.444, 342.246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

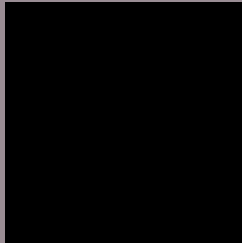
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 60, 6.444, 342.246

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 6.444, 342.246.



This preview shows how white text looks on a background with the CIELCh color 60, 6.444, 342.246.

# 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

60, 6.444, 342.246

### Protanopia

60, 3.489, 303.245

### Deuteranopia

60, 8.047, 346.138



**Tritanopia**  
60, 8.265, 331.556



# Trichromacy



## Original Color

60, 6.444, 342.246

## Protanomaly

60, 4.130, 324.606

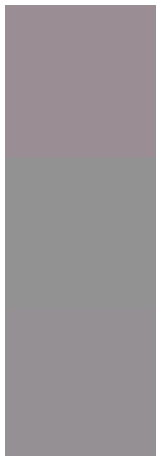
## Deuteranomaly

60, 7.725, 344.448

## Tritanomaly

60, 7.854, 334.273

# Monochromacy



## Original Color

60, 6.444, 342.246

## Achromatopsia

61, 0.008, 296.813

## Achromatomaly

60, 2.592, 338.759

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 6.444, 342.246 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(154, 141, 148)` looks like.

```
.text, #text, p{  
    color:rgb(154, 141, 148)  
}
```

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(154, 141, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 141, 148) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 6.444, 342.246 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(154, 141, 148) }
```

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

```
.border{ border-color:rgb(154, 141, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 141, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 141, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 141, 148);  
box-shadow:4px 4px 4px 4px rgb(154, 141,  
148) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 6.444, 342.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 141, 148) }
```

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

```
.background{ background-color: rgb(154,  
141, 148) }
```

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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