

# Converting Colors

CIELCh(57, 10.935, 341.047)

Have a look what the booklet for  
CIELCh(57, 10.935, 341.047)  
contains.

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**Color**

**CIELCh(57, 10.731, 341.033)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98838F
RGB	152, 131, 143
RGB Percent	60%, 51%, 56%
CMY	0.4036, 0.4859, 0.4389
CMYK	0.00, 0.14, 0.06, 0.40
HSL	326°, 9%, 56%
HSV	326°, 14%, 60%
XYZ	26.0550, 24.9227, 29.4556
YIQ	138.6470, 8.6640, 8.1840

# Conversions

## Conversions Part 2

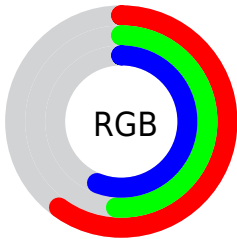
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 131, 143
Decimal	9995151
CIE <sub>Lab</sub>	57.00, 10.15, -3.49
CIE <sub>LCh</sub>	57, 10.731, 341.033
Yxy	24.9227, 0.3239, 0.3099
Android (android.graphics.Color)	4288185231 (0xFF98838F)
YUV	138.6470, 2.1460, 11.7106
Hunter-Lab	49.9226, 5.7959, -0.0368

# Details

The CIELCh color  $57, 10.731, 341.033$  is a dark color, and the websafe version is hex `999999`. A complement of this color would be  $61, 10.598, 158.942$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 10.743, 339.841$ , and  $37, 10.538, 341.016$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 18.629, 341.905$ , and if you desaturate by 10%, it is  $61, 2.931, 340.175$ .

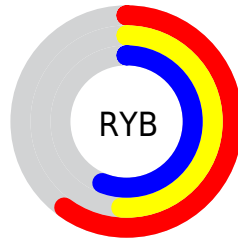
# Distribution



Red (60%)

Green (51%)

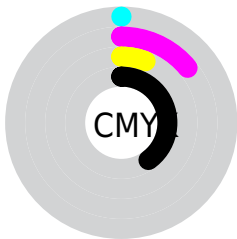
Blue (56%)



Red (60%)

Yellow (51%)

Blue (56%)

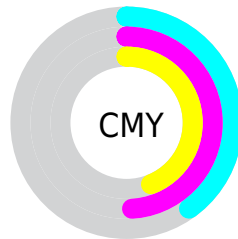


Cyan (0%)

Magenta (14%)

Yellow (6%)

Black (40%)



Cyan (40%)

Magenta (49%)


Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 10.731, 341.033 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 57, 10.731, 341.033 by changing the saturation by 10% instead.





 57, 10.731,  
341.033


 57, 10.731,  
341.033


 100, 10.731,  
341.033


 47, 10.731,  
341.033


 77, 10.731,  
341.033

 37, 10.731,  
341.033

 87, 10.731,  
341.033

 27, 10.731,  
341.033

 97, 10.731,  
341.033

 17, 10.731,  
341.033

 7, 10.731, 341.033

 0, 10.731, 341.033

57, 10.731,  
341.033

57, 10.731,  
341.033

53, 18.629,  
341.905

61, 2.931, 340.175

49, 26.505,  
342.858

66, 4.689, 159.625

45, 34.163,  
343.924

70, 12.090,  
158.916

42, 41.333,  
345.143

74, 19.255,  
158.285

39, 47.667,  
346.571

79, 26.182,  
157.701

36, 52.780,  
348.290

83, 32.878,  
157.158


34, 56.331,  
350.405


88, 39.354,  
156.650

33, 58.160,

92, 45.624,  
156.175

353.045

 93, 44.522,  
158.712

 33, 58.876,  
354.840

# Harmonies

# Complementary

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



57, 10.731, 341.033



61, 10.598, 158.942

# Rectangle

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



57, 10.731, 341.033



57, 10.731, 31.033



57, 10.731, 161.033



57, 10.731, 211.033

# Sweetspot

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



57, 10.729, 341.036



78, 3.833, 340.202



56, 12.527, 306.781



41, 2.718, 340.270



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



57, 10.729, 341.036



71, 16.487, 341.336



57, 8.527, 13.594



30, 4.394, 340.654



30, 55.561, 354.576



1, 4.674, 340.463



# Inverse Universe

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



57, 10.729, 341.036



71, 16.487, 341.336



61, 7.929, 191.567



30, 4.394, 340.654



30, 55.561, 354.576

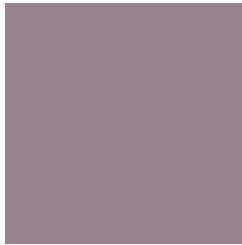


1, 4.674, 340.463



# Previews

## White Background



This preview shows how the CIELCh color 57, 10.731, 341.033 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 57, 10.731, 341.033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

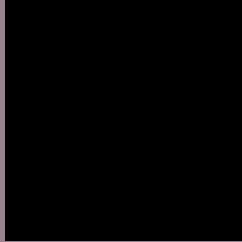
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 57, 10.731, 341.033**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 57, 10.731, 341.033.



This preview shows how white text looks on a background with the CIELCh color 57, 10.731, 341.033.

# 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**  
57, 10.731, 341.033

**Protanopia**  
57, 5.729, 294.671

**Deuteranopia**  
57, 8.209, 336.329





**Tritanopia**  
57, 10.391, 343.482

# Trichromacy



**Original Color**  
57, 10.731, 341.033

**Protanomaly**  
57, 7.036, 316.879

**Deuteranomaly**  
57, 9.173, 337.282

**Tritanomaly**  
57, 10.391, 343.482

# Monochromacy



**Original Color**  
57, 10.731, 341.033

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
57, 3.898, 344.012

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 10.731, 341.033 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(152, 131, 143)` looks like.

```
.text, #text, p{  
    color:rgb(152, 131, 143)  
}
```

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(152, 131, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 131, 143) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 10.731, 341.033 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(152, 131, 143) }
```

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

```
.border{ border-color:rgb(152, 131, 143) }
```

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

Here you see how a box with a 4 pixel rgb(152, 131, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 131, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 131, 143);  
box-shadow:4px 4px 4px 4px rgb(152, 131,  
143) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 10.731, 341.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 131, 143) }
```

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

```
.background{ background-color: rgb(152,  
131, 143) }
```

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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