

# Converting Colors

CIELCh(57, 10.370, 343.872)

Have a look what the booklet for  
CIELCh(57, 10.370, 343.872)  
contains.

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**Color**

**CIELCh(57, 10.391, 343.482)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98838E
RGB	152, 131, 142
RGB Percent	60%, 51%, 56%
CMY	0.4033, 0.4857, 0.4425
CMYK	0.00, 0.14, 0.07, 0.40
HSL	329°, 9%, 56%
HSV	329°, 14%, 60%
XYZ	26.0102, 24.9227, 29.0927
YIQ	138.5330, 8.9850, 7.8730

# Conversions

## Conversions Part 2

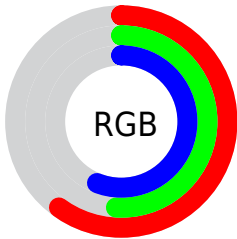
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 131, 142
Decimal	9995150
CIE Lab	57.00, 9.96, -2.95
CIE LCh	57, 10.391, 343.482
Yxy	24.9227, 0.3250, 0.3114
Android (android.graphics.Color)	4288185230 (0xFF98838E)
YUV	138.5330, 1.7092, 11.8106
Hunter-Lab	49.9226, 5.6358, 0.3943

# Details

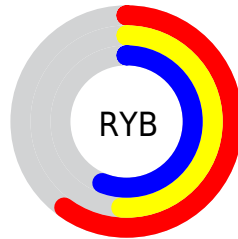
The CIELCh color  $57, 10.391, 343.482$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $61, 10.230, 161.299$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 10.410, 342.099$ , and  $37, 10.174, 343.729$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 18.065, 344.410$ , and if you desaturate by 10%, it is  $61, 2.832, 342.576$ .

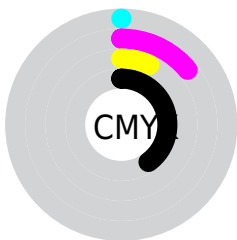
# Distribution



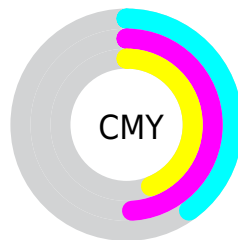
- Red (60%)
- Green (51%)
- Blue (56%)



- Red (60%)
- Yellow (51%)
- Blue (56%)



- Cyan (0%)
- Magenta (14%)
- Yellow (7%)
- Black (40%)




- Cyan (40%)
- Magenta (49%)
- Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 10.391, 343.482 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, 10.391, 343.482 by changing the saturation by 10% instead.





 57, 10.391,  
343.482


 57, 10.391,  
343.482


 100, 10.391,  
343.482


 47, 10.391,  
343.482


 77, 10.391,  
343.482

 37, 10.391,  
343.482

 87, 10.391,  
343.482

 27, 10.391,  
343.482

 97, 10.391,  
343.482

 17, 10.391,  
343.482

 7, 10.391, 343.482

 0, 10.391, 343.482

57, 10.391,  
343.482

57, 10.391,  
343.482

53, 18.065,  
344.410

61, 2.832, 342.576

49, 25.741,  
345.435

66, 4.535, 162.009

45, 33.232,  
346.599

70, 11.677,  
161.271

42, 40.274,  
347.949

74, 18.579,  
160.620

39, 46.530,  
349.555

79, 25.242,  
160.021

36, 51.622,  
351.514

83, 31.675,  
159.465


34, 55.220,  
353.953


88, 37.890,  
158.947

33, 57.178,

92, 43.902,  
158.463

357.019

 93, 42.538,  
161.570

 32, 58.015,  
359.102

# Harmonies

# Complementary

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



57, 10.391, 343.482



61, 10.230, 161.299

# Rectangle

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



57, 10.391, 343.482



57, 10.391, 33.482



57, 10.391, 163.482



57, 10.391, 213.482

# Sweetspot

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



57, 10.389, 343.485



78, 3.707, 342.606



56, 12.639, 308.526



41, 2.629, 342.678



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, 10.389, 343.485



71, 15.971, 343.803



57, 8.503, 17.588



30, 4.252, 343.082



30, 54.711, 358.792



1, 4.521, 342.851



# Inverse Universe

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



57, 10.389, 343.485



71, 15.971, 343.803



61, 7.842, 195.845



30, 4.252, 343.082



30, 54.711, 358.792

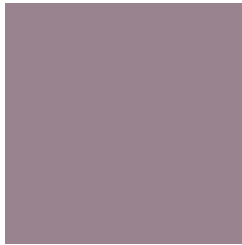


1, 4.521, 342.851



# Previews

## White Background



This preview shows how the CIELCh color 57, 10.391, 343.482 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, 10.391, 343.482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

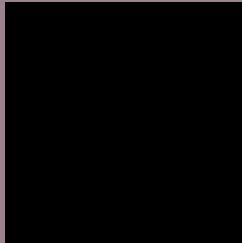
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

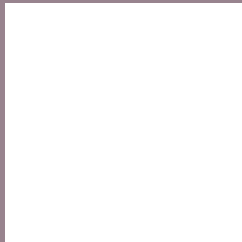
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 57, 10.391, 343.482

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 10.391, 343.482.



This preview shows how white text looks on a background with the CIELCh color 57, 10.391, 343.482.

# 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, 10.391, 343.482

**Protanopia**  
57, 5.160, 295.040

**Deuteranopia**  
57, 7.831, 339.341





**Tritanopia**  
57, 10.391, 343.482

# Trichromacy



**Original Color**  
57, 10.391, 343.482

**Protanomaly**  
57, 6.726, 322.013

**Deuteranomaly**  
57, 9.105, 341.675

**Tritanomaly**  
57, 10.391, 343.482

# Monochromacy



**Original Color**  
57, 10.391, 343.482

**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, 10.391, 343.482 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(152, 131, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 131, 142) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 10.391, 343.482 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, 142) }
```

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

```
.border{ border-color:rgb(152, 131, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 131, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 131, 142);  
box-shadow:4px 4px 4px 4px rgb(152, 131,  
142) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 10.391, 343.482 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, 142) }
```

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

```
.background{ background-color: rgb(152,  
131, 142) }
```

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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