

# Converting Colors

CIELCh(51, 21.166, 359.948)

Have a look what the booklet for  
CIELCh(51, 21.166, 359.948)  
contains.

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**Color**

**CIELCh(51, 21.255, 359.881)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C6C7A
RGB	156, 108, 122
RGB Percent	61%, 42%, 48%
CMY	0.3874, 0.5757, 0.5208
CMYK	0.00, 0.31, 0.22, 0.39
HSL	343°, 20%, 52%
HSV	343°, 31%, 61%
XYZ	22.6629, 19.2686, 21.0043
YIQ	123.9480, 24.1140, 14.5300

# Conversions

## Conversions Part 2

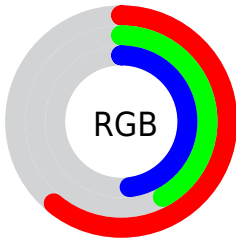
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 108, 122
Decimal	10251386
CIE <sub>Lab</sub>	51.00, 21.25, -0.04
CIE <sub>LCh</sub>	51, 21.255, 359.881
Yxy	19.2686, 0.3601, 0.3062
Android (android.graphics.Color)	4288441466 (0xFF9C6C7A)
YUV	123.9480, -0.9604, 28.1096
Hunter-Lab	43.8960, 15.3390, 2.3569

# Details

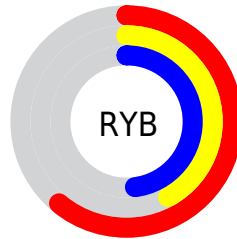
The CIELCh color **51, 21.255, 359.881** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **61, 19.389, 173.588**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 21.016, 0.305**, and **31, 21.209, 1.098** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.476, 1.396**, and if you desaturate by 10%, it is **55, 14.110, 358.609**.

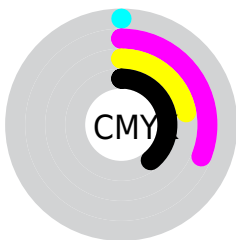
# Distribution



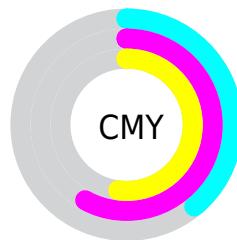
- Red (61%)
- Green (42%)
- Blue (48%)



- Red (61%)
- Yellow (42%)
- Blue (48%)



- Cyan (0%)
- Magenta (31%)
- Yellow (22%)
- Black (39%)




- Cyan (39%)
- Magenta (58%)
- Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 21.255, 359.881 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 51, 21.255, 359.881 by changing the saturation by 10% instead.





 51, 21.255,  
359.881


 51, 21.255,  
359.881


 100, 21.255,  
359.881


 41, 21.255,  
359.881


 71, 21.255,  
359.881

 31, 21.255,  
359.881

 81, 21.255,  
359.881

 21, 21.255,  
359.881

 91, 21.255,  
359.881

 11, 21.255,  
359.881

 1, 21.255, 359.881

 0, 21.255, 359.881

51, 21.255,  
359.881

51, 21.255,  
359.881

47, 28.476, 1.396

55, 14.110,  
358.609

43, 35.591, 3.233

60, 7.165, 357.499

40, 42.337, 5.507

64, 0.483, 355.786

37, 48.406, 8.365

69, 5.909, 175.852

35, 53.521, 11.969

73, 12.006,  
175.078

33, 57.566, 16.440

32, 60.791, 21.059

78, 17.820,  
174.401

82, 23.369,  
173.791

87, 28.674,  
173.235

■ 92, 33.756,  
172.726

# Harmonies

# Complementary

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



51, 21.255, 359.881



61, 19.389, 173.588

# Rectangle

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



51, 21.255, 359.881



51, 21.255, 49.881



51, 21.255, 179.881



51, 21.255, 229.881

# Sweetspot

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



51, 21.253, 359.884



77, 7.443, 357.335



51, 30.664, 317.020



40, 5.174, 357.479



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



51, 21.253, 359.884



62, 32.063, 0.912



53, 17.595, 39.221



31, 3.800, 357.343



29, 56.783, 20.572



1, 4.843, 357.603



# Inverse Universe

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



51, 21.253, 359.884



62, 32.063, 0.912



58, 14.290, 220.874



31, 3.800, 357.343



29, 56.783, 20.572

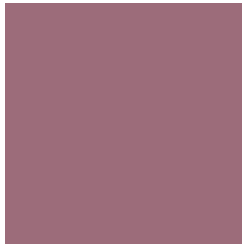


1, 4.843, 357.603



# Previews

## White Background



This preview shows how the CIELCh color 51, 21.255, 359.881 looks on a white background.

## Color Contrast Check

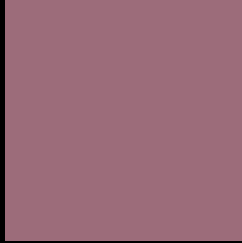
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 21.255, 359.881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

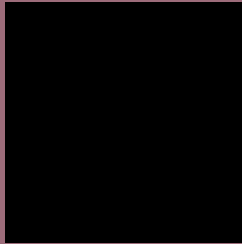
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 21.255, 359.881

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.255, 359.881.



This preview shows how white text looks on a background with the CIELCh color 51, 21.255, 359.881.

# 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

51, 21.255, 359.881

### Protanopia

51, 5.269, 295.093

### Deuteranopia

51, 6.649, 10.092





**Tritanopia**  
51, 20.136, 8.772

# Trichromacy



**Original Color**  
51, 21.255, 359.881

**Protanomaly**  
51, 9.670, 339.071

**Deuteranomaly**  
51, 12.181, 1.450

**Tritanomaly**  
51, 20.304, 5.559

# Monochromacy



**Original Color**  
51, 21.255, 359.881

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
51, 7.875, 358.722

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 21.255, 359.881 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(156, 108, 122)` looks like.

```
.text, #text, p{  
    color:rgb(156, 108, 122)  
}
```

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(156, 108, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 108, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 21.255, 359.881 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(156, 108, 122) }
```

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

```
.border{ border-color:rgb(156, 108, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 108, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 108, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 108, 122);  
box-shadow:4px 4px 4px 4px rgb(156, 108,  
122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 21.255, 359.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 108, 122) }
```

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

```
.background{ background-color: rgb(156,  
108, 122) }
```

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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