

# Converting Colors

CIELCh(51, 26.165, 340.645)

Have a look what the booklet for  
CIELCh(51, 26.165, 340.645)  
contains.

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**Color**

**CIELCh(51, 26.482, 340.239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C6A89
RGB	156, 106, 137
RGB Percent	61%, 42%, 54%
CMY	0.3872, 0.5833, 0.4617
CMYK	0.00, 0.32, 0.12, 0.39
HSL	323°, 20%, 51%
HSV	323°, 32%, 61%
XYZ	23.4767, 19.2686, 26.2465
YIQ	124.4840, 19.8490, 20.2410

# Conversions

## Conversions Part 2

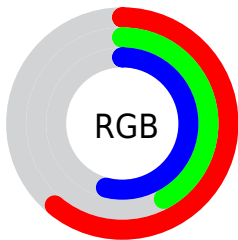
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 106, 137
Decimal	10250889
CIE <sub>Lab</sub>	51.00, 24.92, -8.95
CIE <sub>LCh</sub>	51, 26.482, 340.239
Yxy	19.2686, 0.3403, 0.2793
Android (android.graphics.Color)	4288440969 (0xFF9C6A89)
YUV	124.4840, 6.1704, 27.6395
Hunter-Lab	43.8960, 18.6482, -4.7237

# Details

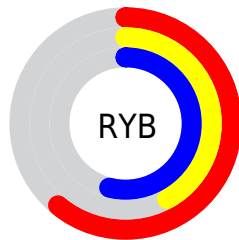
The CIELCh color  $51, 26.482, 340.239$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $60, 25.974, 155.010$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 26.242, 340.459$ , and  $31, 26.236, 340.715$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 34.574, 341.196$ , and if you desaturate by 10%, it is  $55, 18.174, 339.370$ .

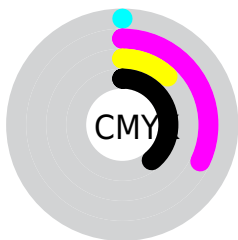
# Distribution



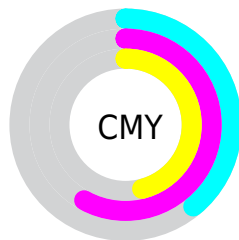
- Red (61%)
- Green (42%)
- Blue (54%)



- Red (61%)
- Yellow (42%)
- Blue (54%)



- Cyan (0%)
- Magenta (32%)
- Yellow (12%)
- Black (39%)




- Cyan (39%)
- Magenta (58%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 26.482, 340.239 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, 26.482, 340.239 by changing the saturation by 10% instead.





 51, 26.482,  
340.239


 51, 26.482,  
340.239


 100, 26.482,  
340.239


 41, 26.482,  
340.239


 71, 26.482,  
340.239

 31, 26.482,  
340.239

 81, 26.482,  
340.239

 21, 26.482,  
340.239

 91, 26.482,  
340.239

 11, 26.482,  
340.239

 1, 26.482, 340.239

 0, 26.482, 340.239

51, 26.482,  
340.239

51, 26.482,  
340.239

47, 34.574,  
341.196

55, 18.174,  
339.370

44, 42.184,  
342.268

59, 9.850, 338.562

41, 48.957,  
343.496

64, 1.633, 337.673

68, 6.400, 157.224

38, 54.494,  
344.941

72, 14.208,  
156.561

36, 58.423,  
346.687


77, 21.775,  
155.958

35, 60.528,  
348.837

81, 29.097,  
155.397

34, 61.329,  
350.800

86, 36.181,  
154.873

 90, 43.040,  
154.381

# Harmonies

# Complementary

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



51, 26.482, 340.239



60, 25.974, 155.010

# Rectangle

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



51, 26.482, 340.239



51, 26.482, 30.239



51, 26.482, 160.239



51, 26.482, 210.239

# Sweetspot

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



51, 26.480, 340.240



77, 10.179, 338.420



48, 30.306, 306.174



40, 6.936, 338.522



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, 26.480, 340.240



62, 38.963, 340.874



50, 21.427, 11.861



31, 4.672, 338.346



31, 57.500, 350.560



1, 5.924, 339.196



# Inverse Universe

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



51, 26.480, 340.240



62, 38.963, 340.874



61, 18.280, 185.835



31, 4.672, 338.346



31, 57.500, 350.560

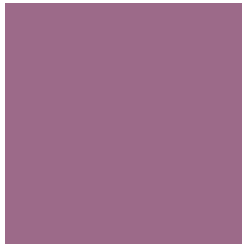


1, 5.924, 339.196



# Previews

## White Background



This preview shows how the CIELCh color 51, 26.482, 340.239 looks on a white background.

## Color Contrast Check

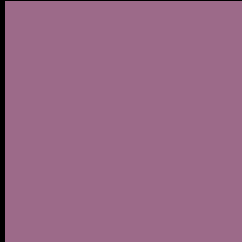
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.482, 340.239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

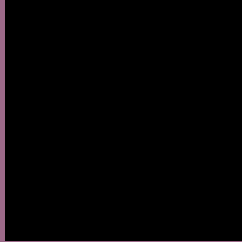
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 26.482, 340.239

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 26.482, 340.239.



This preview shows how white text looks on a background with the CIELCh color 51, 26.482, 340.239.

# 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, 26.482, 340.239

### Protanopia

51, 15.213, 285.243

### Deuteranopia

51, 9.876, 309.576





**Tritanopia**  
51, 18.865, 7.670

# Trichromacy



**Original Color**  
51, 26.482, 340.239

**Protanomaly**  
51, 16.830, 311.790

**Deuteranomaly**  
51, 15.929, 327.724

**Tritanomaly**  
51, 20.836, 355.831

# Monochromacy



**Original Color**  
51, 26.482, 340.239

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 9.642, 339.057

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 26.482, 340.239 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, 106, 137)` looks like.

```
.text, #text, p{  
    color:rgb(156, 106, 137)  
}
```

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, 106, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 106, 137) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 26.482, 340.239 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, 106, 137) }
```

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

```
.border{ border-color:rgb(156, 106, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 106, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 106, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 106, 137);  
box-shadow:4px 4px 4px 4px rgb(156, 106,  
137) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 26.482, 340.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 106, 137) }
```

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

```
.background{ background-color: rgb(156,  
106, 137) }
```

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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