

# Converting Colors

CIELCh(51, 27.409, 346.927)

Have a look what the booklet for  
CIELCh(51, 27.409, 346.927)  
contains.

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**Color**

**CIELCh(51, 27.349, 346.912)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A16985
RGB	161, 105, 133
RGB Percent	63%, 41%, 52%
CMY	0.3699, 0.5894, 0.4797
CMYK	0.00, 0.35, 0.17, 0.37
HSL	330°, 23%, 52%
HSV	330°, 35%, 63%
XYZ	23.8641, 19.2686, 24.5388
YIQ	124.9360, 24.3880, 20.5800

# Conversions

## Conversions Part 2

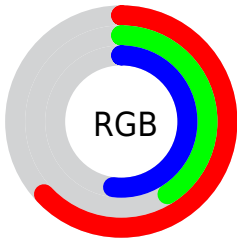
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 105, 133
Decimal	10578309
CIELab	51.00, 26.64, -6.19
CIELCh	51, 27.349, 346.912
Yxy	19.2686, 0.3526, 0.2847
Android (android.graphics.Color)	4288768389 (0xFFA16985)
YUV	124.9360, 3.9756, 31.6281
Hunter-Lab	43.8960, 20.2234, -2.4171

# Details

The CIELCh color  $51, 27.349, 346.912$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $62, 26.234, 160.393$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 27.399, 347.144$ , and  $31, 27.737, 346.092$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 35.061, 348.153$ , and if you desaturate by 10%, it is  $55, 19.429, 345.831$ .

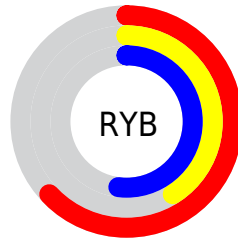
# Distribution



Red (63%)

Green (41%)

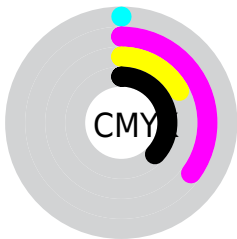
Blue (52%)



Red (63%)

Yellow (41%)

Blue (52%)

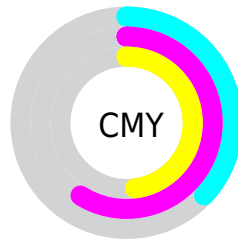


Cyan (0%)

Magenta (35%)

Yellow (17%)

Black (37%)



Cyan (37%)

Magenta (59%)


Yellow (48%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 27.349, 346.912 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, 27.349, 346.912 by changing the saturation by 10% instead.





 51, 27.349,  
346.912


 51, 27.349,  
346.912


 100, 27.349,  
346.912


 41, 27.349,  
346.912


 71, 27.349,  
346.912

 31, 27.349,  
346.912

 81, 27.349,  
346.912

 21, 27.349,  
346.912

 91, 27.349,  
346.912

 11, 27.349,  
346.912

 1, 27.349, 346.912

 0, 27.349, 346.912

51, 27.349,  
346.912

51, 27.349,  
346.912

47, 35.061,  
348.153

55, 19.429,  
345.831

44, 42.287,  
349.606

59, 11.506,  
344.864

40, 48.668,  
351.354

64, 3.709, 343.942

68, 3.889, 163.344

38, 53.808,  
353.506

73, 11.248,  
162.571

36, 57.386,  
356.206


78, 18.354,  
161.901

35, 59.306,  
359.602

82, 25.207,  
161.287

34, 60.049, 1.496

87, 31.816,  
160.719

 92, 38.197,  
160.191

# Harmonies

# Complementary

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



51, 27.349, 346.912



62, 26.234, 160.393

# Rectangle

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



51, 27.349, 346.912



51, 27.349, 36.912



51, 27.349, 166.912



51, 27.349, 216.912

# Sweetspot

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



51, 27.347, 346.913



78, 9.561, 344.440



49, 34.367, 310.208



40, 6.520, 344.559



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



51, 27.347, 346.913



62, 40.762, 347.885



50, 24.219, 21.195



32, 4.416, 344.358



31, 55.840, 1.104



1, 6.583, 346.260



# Inverse Universe

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



51, 27.347, 346.913



62, 40.762, 347.885



62, 19.248, 196.166



32, 4.416, 344.358



31, 55.840, 1.104

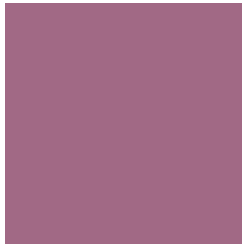


1, 6.583, 346.260



# Previews

## White Background



This preview shows how the CIE LCh color 51, 27.349, 346.912 looks on a white background.

## Color Contrast Check

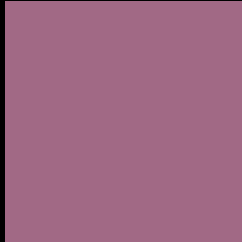
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.349, 346.912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

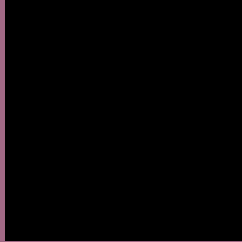
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 51, 27.349, 346.912**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 51, 27.349, 346.912.



This preview shows how white text looks on a background with the CIELCh color 51, 27.349, 346.912.

# 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, 27.349, 346.912

### Protanopia

51, 12.844, 286.849

### Deuteranopia

51, 8.491, 324.906





**Tritanopia**  
51, 21.834, 10.076

# Trichromacy



**Original Color**  
51, 27.349, 346.912

**Protanomaly**  
51, 15.870, 319.289

**Deuteranomaly**  
51, 15.302, 338.116

**Tritanomaly**  
51, 23.366, 0.842

# Monochromacy



**Original Color**  
51, 27.349, 346.912

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 9.920, 344.819

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 27.349, 346.912 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(161, 105, 133)` looks like.

```
.text, #text, p{  
    color:rgb(161, 105, 133)  
}
```

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(161, 105, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 105, 133) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 27.349, 346.912 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(161, 105, 133) }
```

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

```
.border{ border-color:rgb(161, 105, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 105, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 105, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 105, 133);  
box-shadow:4px 4px 4px 4px rgb(161, 105,  
133) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 27.349, 346.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 105, 133) }
```

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

```
.background{ background-color: rgb(161,  
105, 133) }
```

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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