

# Converting Colors

CIELCh(51, 33.293, 348.333)

Have a look what the booklet for  
CIELCh(51, 33.293, 348.333)  
contains.

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**Color**

**CIELCh(51, 33.219, 348.089)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A96486
RGB	169, 100, 134
RGB Percent	66%, 39%, 53%
CMY	0.3373, 0.6078, 0.4745
CMYK	0.00, 0.41, 0.21, 0.34
HSL	330°, 29%, 53%
HSV	330°, 41%, 66%
XYZ	25.2202, 19.2686, 24.9420
YIQ	124.5070, 30.2100, 25.2020

# Conversions

## Conversions Part 2

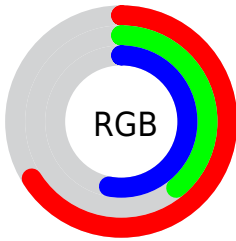
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 100, 134
Decimal	11101318
CIE <sub>Lab</sub>	51.00, 32.50, -6.86
CIE <sub>LCh</sub>	51, 33.219, 348.089
Yxy	19.2686, 0.3632, 0.2775
Android (android.graphics.Color)	4289291398 (0xFFA96486)
YUV	124.5070, 4.6800, 39.0204
Hunter-Lab	43.8960, 25.7379, -2.9617

# Details

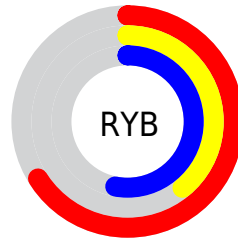
The CIELCh color **51, 33.219, 348.089** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **64, 31.615, 160.052**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 33.399, 348.350**, and **31, 32.955, 348.499** is the 20% darker color. If you saturate the color by 10%, you get **47, 40.963, 349.478**, and if you desaturate by 10%, it is **55, 25.092, 346.898**.

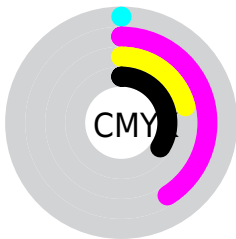
# Distribution



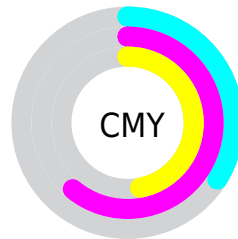
- Red (66%)
- Green (39%)
- Blue (53%)



- Red (66%)
- Yellow (39%)
- Blue (53%)



- Cyan (0%)
- Magenta (41%)
- Yellow (21%)
- Black (34%)




- Cyan (34%)
- Magenta (61%)
- Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 33.219, 348.089 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, 33.219, 348.089 by changing the saturation by 10% instead.





 51, 33.219,  
348.089


 51, 33.219,  
348.089


 100, 33.219,  
348.089


 41, 33.219,  
348.089


 71, 33.219,  
348.089

 31, 33.219,  
348.089

 81, 33.219,  
348.089

 21, 33.219,  
348.089

 91, 33.219,  
348.089

 11, 33.219,  
348.089

 1, 33.219, 348.089

 0, 33.219, 348.089

51, 33.219,  
348.089

51, 33.219,  
348.089

47, 40.963,  
349.478

55, 25.092,  
346.898

44, 47.984,  
351.136

60, 16.851,  
345.851

41, 53.873,  
353.165

64, 8.670, 344.905

39, 58.249,  
355.702

69, 0.659, 343.565

74, 7.121, 163.402


37, 60.899,  
358.904

78, 14.640,  
162.680

36, 62.235, 2.376

83, 21.893,  
162.029

88, 28.884,  
161.431

 93, 35.626,  
160.876

# Harmonies

# Complementary

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



51, 33.219, 348.089



64, 31.615, 160.052

# Rectangle

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



51, 33.219, 348.089



51, 33.219, 38.089



51, 33.219, 168.089



51, 33.219, 218.089

# Sweetspot

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



51, 33.217, 348.090



81, 11.897, 345.032



48, 42.305, 311.083



42, 7.890, 345.146



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



51, 33.217, 348.090



61, 48.883, 349.336



50, 30.300, 23.340



33, 4.508, 344.764



31, 56.474, 1.858



2, 7.768, 347.953



# Inverse Universe

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



51, 33.217, 348.090



61, 48.883, 349.336



65, 22.787, 197.509



33, 4.508, 344.764



31, 56.474, 1.858

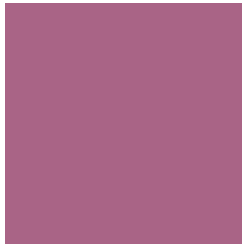


2, 7.768, 347.953



# Previews

## White Background



This preview shows how the CIELCh color 51, 33.219, 348.089 looks on a white background.

## Color Contrast Check

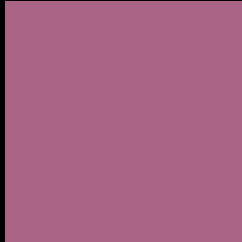
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.219, 348.089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

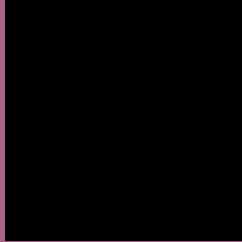
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 33.219, 348.089

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.219, 348.089.



This preview shows how white text looks on a background with the CIELCh color 51, 33.219, 348.089.

# 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, 33.219, 348.089

### Protanopia

51, 15.789, 285.589

### Deuteranopia

51, 8.975, 322.815





**Tritanopia**  
51, 27.040, 13.257

# Trichromacy



**Original Color**  
51, 33.219, 348.089

**Protanomaly**  
51, 19.498, 317.646

**Deuteranomaly**  
51, 17.910, 338.662

**Tritanomaly**  
51, 28.418, 3.285

# Monochromacy



**Original Color**  
51, 33.219, 348.089

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 12.235, 346.241

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 33.219, 348.089 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(169, 100, 134)` looks like.

```
.text, #text, p{  
    color:rgb(169, 100, 134)  
}
```

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(169, 100, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 100, 134) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 33.219, 348.089 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(169, 100, 134) }
```

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

```
.border{ border-color:rgb(169, 100, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 100, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 100, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 100, 134);  
box-shadow:4px 4px 4px 4px rgb(169, 100,  
134) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 33.219, 348.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 100, 134) }
```

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

```
.background{ background-color: rgb(169,  
100, 134) }
```

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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