

# Converting Colors

CIELCh(51, 16.323, 343.621)

Have a look what the booklet for  
CIELCh(51, 16.323, 343.621)  
contains.

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**Color**

**CIELCh(51, 16.828, 343.140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	917082
RGB	145, 112, 130
RGB Percent	57%, 44%, 51%
CMY	0.4308, 0.5602, 0.4896
CMYK	0.00, 0.23, 0.10, 0.43
HSL	327°, 13%, 50%
HSV	327°, 23%, 57%
XYZ	21.5522, 19.2686, 23.7535
YIQ	123.9190, 13.8900, 12.5940

# Conversions

## Conversions Part 2

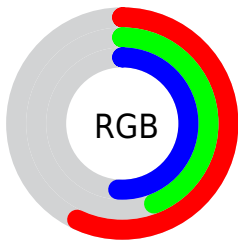
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 112, 130
Decimal	9531522
CIE Lab	51.00, 16.10, -4.88
CIE LCh	51, 16.828, 343.140
Yxy	19.2686, 0.3338, 0.2984
Android (android.graphics.Color)	4287721602 (0xFF917082)
YUV	123.9190, 2.9979, 18.4880
Hunter-Lab	43.8960, 10.8223, -1.3564

# Details

The CIELCh color  $51, 16.828, 343.140$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $57, 16.461, 159.393$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 16.749, 342.846$ , and  $31, 16.805, 342.759$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 24.308, 344.117$ , and if you desaturate by 10%, it is  $55, 9.350, 342.254$ .

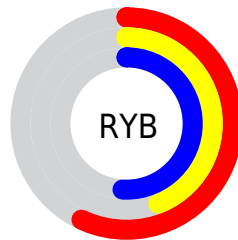
# Distribution



Red (57%)

Green (44%)

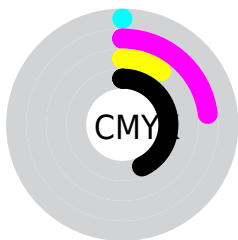
Blue (51%)



Red (57%)

Yellow (44%)

Blue (51%)

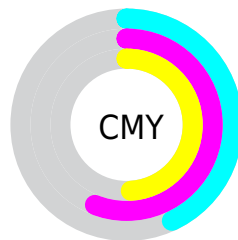


Cyan (0%)

Magenta (23%)

Yellow (10%)

Black (43%)



Cyan (43%)

Magenta (56%)


Yellow (49%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 16.828, 343.140 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, 16.828, 343.140 by changing the saturation by 10% instead.





 51, 16.828,  
343.140


 51, 16.828,  
343.140


 100, 16.828,  
343.140


 41, 16.828,  
343.140


 71, 16.828,  
343.140

 31, 16.828,  
343.140

 81, 16.828,  
343.140

 21, 16.828,  
343.140

 91, 16.828,  
343.140

 11, 16.828,  
343.140

 1, 16.828, 343.140

 0, 16.828, 343.140

51, 16.828,  
343.140

51, 16.828,  
343.140

47, 24.308,  
344.117

55, 9.350, 342.254

59, 1.991, 341.337

44, 31.623,  
345.214

63, 5.187, 160.821

40, 38.526,  
346.474

67, 12.150,  
160.113

37, 44.699,  
347.957

72, 18.884,  
159.479

35, 49.778,  
349.749

76, 25.389,  
158.893

33, 53.430,  
351.961


80, 31.675,  
158.348

32, 55.476,  
354.731

85, 37.752,  
157.840

31, 56.424,

356.973

 89, 43.636,  
157.365

# Harmonies

# Complementary

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



51, 16.828, 343.140



57, 16.461, 159.393

# Rectangle

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



51, 16.828, 343.140



51, 16.828, 33.140



51, 16.828, 163.140



51, 16.828, 213.140

# Sweetspot

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



51, 16.826, 343.142



73, 6.328, 341.774



50, 20.228, 308.414



38, 4.101, 341.817



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



51, 16.826, 343.142



63, 24.806, 343.599



51, 13.904, 17.131



28, 4.075, 341.949



29, 53.621, 356.711



1, 2.725, 341.280



# Inverse Universe

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



51, 16.826, 343.142



63, 24.806, 343.599



58, 12.177, 193.824



28, 4.075, 341.949



29, 53.621, 356.711

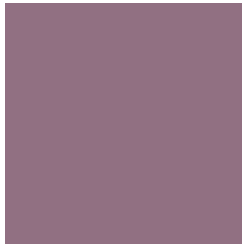


1, 2.725, 341.280



# Previews

## White Background



This preview shows how the CIELCh color 51, 16.828, 343.140 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, 16.828, 343.140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

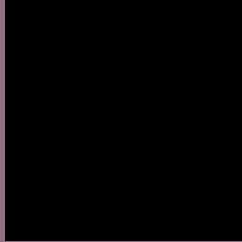
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 16.828, 343.140

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 16.828, 343.140.



This preview shows how white text looks on a background with the CIELCh color 51, 16.828, 343.140.

# 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, 16.828, 343.140

### Protanopia

51, 8.745, 288.802

### Deuteranopia

51, 8.020, 327.254





**Tritanopia**  
51, 13.715, 358.773

# Trichromacy



**Original Color**  
51, 16.828, 343.140

**Protanomaly**  
51, 10.319, 315.806

**Deuteranomaly**  
51, 11.022, 337.393

**Tritanomaly**  
51, 14.371, 352.251

# Monochromacy



**Original Color**  
51, 16.828, 343.140

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 5.964, 344.331

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 16.828, 343.140 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(145, 112, 130)` looks like.

```
.text, #text, p{  
    color:rgb(145, 112, 130)  
}
```

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(145, 112, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 112, 130) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 16.828, 343.140 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(145, 112, 130) }
```

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

```
.border{ border-color:rgb(145, 112, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 112, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 112, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 112, 130);  
box-shadow:4px 4px 4px 4px rgb(145, 112,  
130) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 16.828, 343.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 112, 130) }
```

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

```
.background{ background-color: rgb(145,  
112, 130) }
```

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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