

# Converting Colors

CIELCh(51, 24.653, 337.807)

Have a look what the booklet for  
CIELCh(51, 24.653, 337.807)  
contains.

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**Color**

**CIELCh(51, 24.685, 337.820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	996C8A
RGB	153, 108, 138
RGB Percent	60%, 42%, 54%
CMY	0.4008, 0.5772, 0.4596
CMYK	0.00, 0.29, 0.10, 0.40
HSL	320°, 18%, 51%
HSV	320°, 29%, 60%
XYZ	23.0163, 19.2686, 26.4784
YIQ	124.8750, 17.1900, 18.8700

# Conversions

## Conversions Part 2

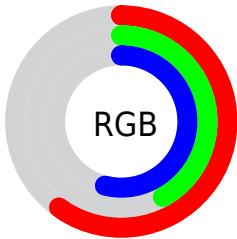
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 108, 138
Decimal	10054794
CIE Lab	51.00, 22.86, -9.32
CIE LCh	51, 24.685, 337.820
Yxy	19.2686, 0.3347, 0.2802
Android (android.graphics.Color)	4288244874 (0xFF996C8A)
YUV	124.8750, 6.4706, 24.6656
Hunter-Lab	43.8960, 16.7762, -5.0370

# Details

The CIELCh color  $51, 24.685, 337.820$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $59, 24.357, 153.305$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $71, 24.503, 338.292$ , and  $31, 24.405, 337.882$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 32.931, 338.675$ , and if you desaturate by 10%, it is  $55, 16.262, 337.029$ .

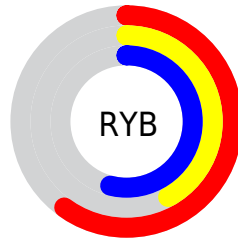
# Distribution



Red (60%)

Green (42%)

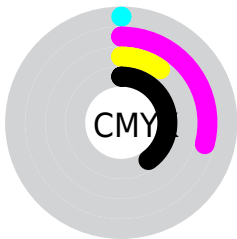
Blue (54%)



Red (60%)

Yellow (42%)

Blue (54%)

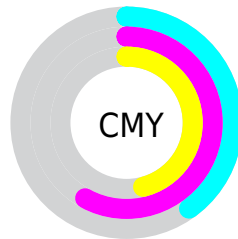


Cyan (0%)

Magenta (29%)

Yellow (10%)

Black (40%)



Cyan (40%)

Magenta (58%)


Yellow (46%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 24.685, 337.820 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, 24.685, 337.820 by changing the saturation by 10% instead.





 51, 24.685,  
337.820


 51, 24.685,  
337.820


 100, 24.685,  
337.820


 41, 24.685,  
337.820


 71, 24.685,  
337.820

 31, 24.685,  
337.820

 81, 24.685,  
337.820

 21, 24.685,  
337.820

 91, 24.685,  
337.820

 11, 24.685,  
337.820

 1, 24.685, 337.820

 0, 24.685, 337.820

51, 24.685,  
337.820

51, 24.685,  
337.820

47, 32.931,  
338.675

55, 16.262,  
337.029

44, 40.754,  
339.610

59, 7.844, 336.278

41, 47.820,  
340.654

63, 0.454, 156.259

68, 8.564, 155.020

38, 53.741,  
341.848

72, 16.450,  
154.401

36, 58.131,  
343.250

76, 24.096,  
153.828

34, 60.722,  
344.941


81, 31.501,  
153.292

33, 61.833,  
346.925

85, 38.671,  
152.789

33, 61.892,

347.037

 90, 45.618,  
152.317

# Harmonies

# Complementary

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



51, 24.685, 337.820



59, 24.357, 153.305

# Rectangle

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



51, 24.685, 337.820



51, 24.685, 27.820



51, 24.685, 157.820



51, 24.685, 207.820

# Sweetspot

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



51, 24.683, 337.821



75, 9.269, 336.258



48, 27.112, 304.305



39, 6.431, 336.358



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



51, 24.683, 337.821



63, 36.317, 338.347



50, 19.357, 7.672



30, 4.700, 336.262



30, 58.222, 346.847



1, 5.001, 336.138



# Inverse Universe

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



51, 24.683, 337.821



63, 36.317, 338.347



60, 17.074, 181.925



30, 4.700, 336.262



30, 58.222, 346.847

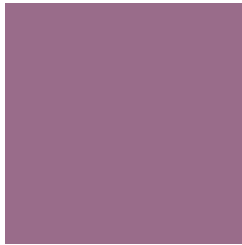


1, 5.001, 336.138



# Previews

## White Background



This preview shows how the CIELCh color 51, 24.685, 337.820 looks on a white background.

## Color Contrast Check

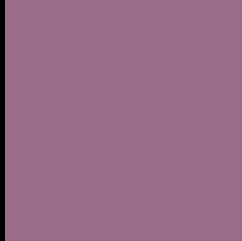
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIELCh color 51, 24.685, 337.820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

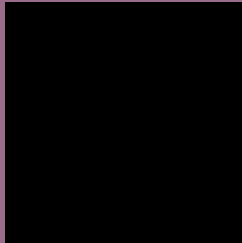
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 24.685, 337.820

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.685, 337.820.



This preview shows how white text looks on a background with the CIELCh color 51, 24.685, 337.820.

# 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, 24.685, 337.820

### Protanopia

51, 14.637, 284.875

### Deuteranopia

51, 10.429, 308.591





**Tritanopia**  
51, 17.310, 4.141

# Trichromacy



**Original Color**  
51, 24.685, 337.820

**Protanomaly**  
51, 16.594, 309.286

**Deuteranomaly**  
51, 15.259, 324.015

**Tritanomaly**  
51, 19.353, 353.367

# Monochromacy



**Original Color**  
51, 24.685, 337.820

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 9.048, 335.563

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 24.685, 337.820 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(153, 108, 138)` looks like.

```
.text, #text, p{  
    color:rgb(153, 108, 138)  
}
```

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(153, 108, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 108, 138) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 24.685, 337.820 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(153, 108, 138) }
```

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

```
.border{ border-color:rgb(153, 108, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 108, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 108, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 108, 138);  
box-shadow:4px 4px 4px 4px rgb(153, 108,  
138) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 24.685, 337.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 108, 138) }
```

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

```
.background{ background-color: rgb(153,  
108, 138) }
```

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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