

# Converting Colors

CIELCh(44, 37.955, 348.861)

Have a look what the booklet for  
CIELCh(44, 37.955, 348.861)  
contains.

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**Color**

**CIELCh(44, 37.954, 348.859)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C4E75
RGB	156, 78, 117
RGB Percent	61%, 31%, 46%
CMY	0.3877, 0.6936, 0.5406
CMYK	0.00, 0.50, 0.25, 0.39
HSL	330°, 33%, 46%
HSV	330°, 50%, 61%
XYZ	19.6918, 13.8382, 18.5045
YIQ	105.7680, 33.9690, 28.6650

# Conversions

## Conversions Part 2

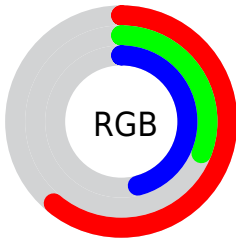
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 78, 117
Decimal	10243701
CIELab	44.00, 37.24, -7.33
CIELCh	44, 37.954, 348.859
Yxy	13.8382, 0.3784, 0.2659
Android (android.graphics.Color)	4288433781 (0xFF9C4E75)
YUV	105.7680, 5.5374, 44.0535
Hunter-Lab	37.1997, 29.3898, -3.4531

# Details

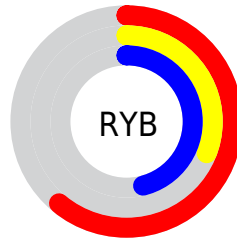
The CIELCh color **44, 37.954, 348.859** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **59, 35.972, 158.539**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 38.096, 348.601**, and **24, 37.813, 348.646** is the 20% darker color. If you saturate the color by 10%, you get **41, 44.646, 350.445**, and if you desaturate by 10%, it is **48, 30.615, 347.524**.

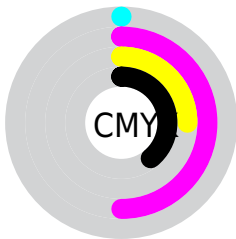
# Distribution



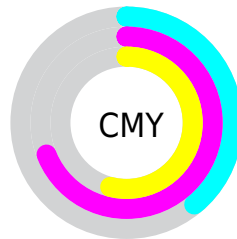
- Red (61%)
- Green (31%)
- Blue (46%)



- Red (61%)
- Yellow (31%)
- Blue (46%)



- Cyan (0%)
- Magenta (50%)
- Yellow (25%)
- Black (39%)




- Cyan (39%)
- Magenta (69%)
- Yellow (54%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 37.954, 348.859 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 44, 37.954, 348.859 by changing the saturation by 10% instead.





 44, 37.954,  
348.859


 44, 37.954,  
348.859


 100, 37.954,  
348.859


 34, 37.954,  
348.859

 64, 37.954,  
348.859


 24, 37.954,  
348.859

 74, 37.954,  
348.859

 14, 37.954,  
348.859

 84, 37.954,  
348.859

 4, 37.954, 348.859

 94, 37.954,  
348.859

 0, 37.954, 348.859

 44, 37.954,

 44, 37.954,

348.859

348.859

41, 44.646,  
350.445

48, 30.615,  
347.524

38, 50.324,  
352.375

52, 22.951,  
346.371

36, 54.622,  
354.774

56, 15.194,  
345.353

34, 57.308,  
357.795

60, 7.503, 344.427

33, 58.806, 1.389

64, 0.026, 176.629

33, 58.812, 1.404

69, 7.337, 162.956

73, 14.406,  
162.249

78, 21.227,  
161.609

82, 27.806,



# Harmonies

# Complementary

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



44, 37.954, 348.859



59, 35.972, 158.539

# Rectangle

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



44, 37.954, 348.859



44, 37.954, 38.859



44, 37.954, 168.859



44, 37.954, 218.859

# Sweetspot

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



44, 37.952, 348.860



74, 14.135, 344.913



41, 48.787, 311.549



38, 9.640, 345.095



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



44, 37.952, 348.860



53, 55.359, 350.661



43, 35.712, 24.907



31, 4.300, 344.363



30, 55.130, 1.047



1, 5.467, 345.064



# Inverse Universe

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



44, 37.952, 348.860



53, 55.359, 350.661



60, 25.016, 197.204



31, 4.300, 344.363



30, 55.130, 1.047

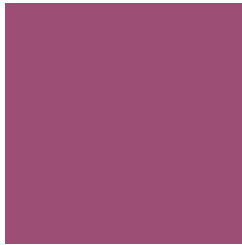


1, 5.467, 345.064



# Previews

## White Background



This preview shows how the CIELCh color 44, 37.954, 348.859 looks on a white background.

## Color Contrast Check

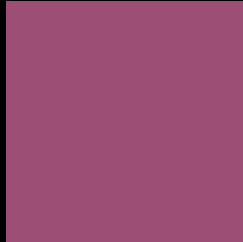
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 44, 37.954, 348.859 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

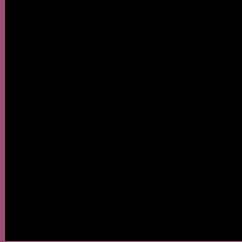
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 37.954, 348.859**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 37.954, 348.859.

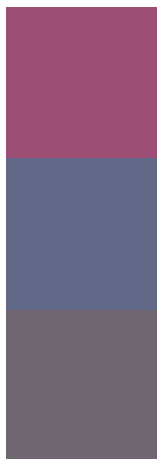


This preview shows how white text looks on a background with the CIELCh color 44, 37.954, 348.859.

# 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

44, 37.954, 348.859

### Protanopia

44, 18.635, 286.150

### Deuteranopia

44, 7.560, 319.746





**Tritanopia**  
44, 31.106, 17.712

# Trichromacy



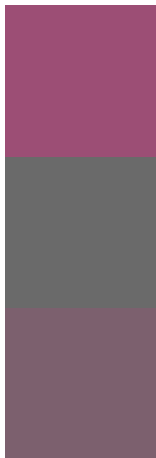
**Original Color**  
44, 37.954, 348.859

**Protanomaly**  
43, 22.635, 317.934

**Deuteranomaly**  
44, 19.034, 338.458

**Tritanomaly**  
44, 32.525, 5.851

# Monochromacy



**Original Color**  
44, 37.954, 348.859

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
44, 14.262, 345.556

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 37.954, 348.859 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, 78, 117)` looks like.

```
.text, #text, p{  
    color:rgb(156, 78, 117)  
}
```

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, 78, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 78, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 37.954, 348.859 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, 78, 117) }
```

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

```
.border{ border-color:rgb(156, 78, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 78, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 78, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 78, 117); box-shadow:4px 4px 4px 4px rgb(156, 78, 117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 37.954, 348.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 78, 117) }
```

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

```
.background{ background-color: rgb(156, 78,  
117) }
```

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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