

# Converting Colors

CIELCh(39, 16.721, 358.358)

Have a look what the booklet for  
CIELCh(39, 16.721, 358.358)  
contains.

<b>CIELCh(39, 16.832, 358.755)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(39, 16.832, 358.755)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	76525D
RGB	118, 82, 93
RGB Percent	46%, 32%, 36%
CMY	0.5376, 0.6787, 0.6356
CMYK	0.00, 0.31, 0.21, 0.54
HSL	342°, 18%, 39%
HSV	342°, 31%, 46%
XYZ	12.4452, 10.6589, 11.7406
YIQ	94.0180, 17.9250, 11.0530

# Conversions

## Conversions Part 2

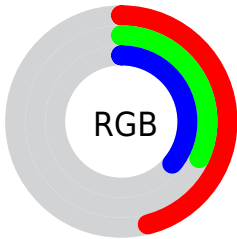
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 82, 93
Decimal	7754333
CIE Lab	39.00, 16.83, -0.37
CIE LCh	39, 16.832, 358.755
Yxy	10.6589, 0.3572, 0.3059
Android (android.graphics.Color)	4285944413 (0xFF76525D)
YUV	94.0180, -0.5019, 21.0322
Hunter-Lab	32.6480, 10.9087, 1.5323

# Details

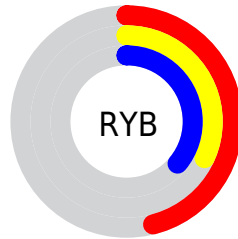
The CIELCh color  $[39, 16.832, 358.755]$  is a dark color, and the websafe version is hex `#996666`. A complement of this color would be  $[47, 15.472, 172.720]$ , and the grayscale version is  $[40, 0.006, 296.813]$ .

A 20% lighter version of the original color is  $[59, 16.710, 359.551]$ , and  $[19, 16.651, 0.102]$  is the 20% darker color. If you saturate the color by 10%, you get  $[36, 22.577, 0.185]$ , and if you desaturate by 10%, it is  $[42, 11.146, 357.543]$ .

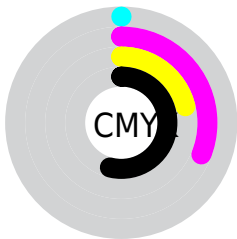
# Distribution



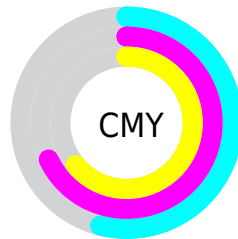
- Red (46%)
- Green (32%)
- Blue (36%)



- Red (46%)
- Yellow (32%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (21%)
- Black (54%)




- Cyan (54%)
- Magenta (68%)
- Yellow (64%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 16.832, 358.755 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 39, 16.832, 358.755 by changing the saturation by 10% instead.





 39, 16.832,  
358.755


 39, 16.832,  
358.755

 100, 16.832,  
358.755


 29, 16.832,  
358.755

 59, 16.832,  
358.755


 19, 16.832,  
358.755


 69, 16.832,  
358.755

 9, 16.832, 358.755

 79, 16.832,  
358.755

 0, 16.832, 358.755

 89, 16.832,  
358.755

 99, 16.832,  
358.755

39, 16.832,  
358.755

39, 16.832,  
358.755

36, 22.577, 0.185

42, 11.146,  
357.543

33, 28.247, 1.900

46, 5.612, 356.476

30, 33.648, 4.003

49, 0.276, 354.452

28, 38.546, 6.622

53, 4.840, 174.884

26, 42.716, 9.907

57, 9.733, 174.127

25, 46.031, 13.993

60, 14.408,  
173.463

24, 48.902, 18.146

64, 18.879,  
172.861

68, 23.161,  
172.312

71, 27.270,



# Harmonies

# Complementary

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



39, 16.832, 358.755



47, 15.472, 172.720

# Rectangle

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



39, 16.832, 358.755



39, 16.832, 48.755



39, 16.832, 178.755



39, 16.832, 228.755

# Sweetspot

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



39, 16.830, 358.758



59, 5.927, 356.343



39, 24.092, 316.447



30, 4.103, 356.464



82, 0.010, 296.813



33, 0.005, 296.813





# Same Dimension

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



39, 16.830, 358.758



48, 25.461, 359.790



40, 13.964, 37.544



23, 2.980, 356.323



25, 50.276, 18.389



53, 86.670, 21.783



# Inverse Universe

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



39, 16.830, 358.758



48, 25.461, 359.790



45, 11.404, 218.622



23, 2.980, 356.323



25, 50.276, 18.389

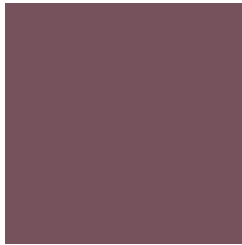


53, 86.670, 21.783



# Previews

## White Background



This preview shows how the CIE LCh color 39, 16.832, 358.755 looks on a white background.

## Color Contrast Check

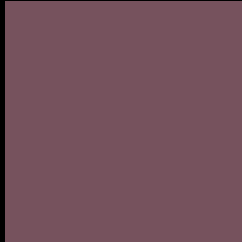
Large Text (above 18pt) WCAG AA ✓ Pass

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 39, 16.832, 358.755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

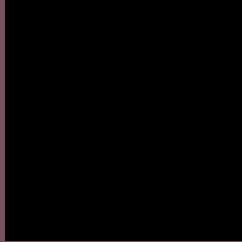
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 39, 16.832, 358.755

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 16.832, 358.755.



This preview shows how white text looks on a background with the CIELCh color 39, 16.832, 358.755.

# 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

39, 16.832, 358.755

### Protanopia

39, 4.285, 290.850

### Deuteranopia

39, 5.450, 0.536





**Tritanopia**  
39, 15.296, 8.041

# Trichromacy



**Original Color**  
39, 16.832, 358.755

**Protanomaly**  
39, 7.772, 335.406

**Deuteranomaly**  
39, 9.737, 358.809

**Tritanomaly**  
39, 15.391, 5.818

# Monochromacy



**Original Color**  
39, 16.832, 358.755

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
40, 6.051, 356.524

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 16.832, 358.755 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(118, 82, 93)` looks like.

```
.text, #text, p{  
    color:rgb(118, 82, 93)  
}
```

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(118, 82, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 82, 93) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 16.832, 358.755 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(118, 82, 93) }
```

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

```
.border{ border-color:rgb(118, 82, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 82, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 82, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 82, 93);  
box-shadow:4px 4px 4px 4px rgb(118, 82,  
93) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 16.832, 358.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 82, 93) }
```

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

```
.background{ background-color: rgb(118, 82,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor