

# Converting Colors

CIELCh(39, 10.851, 355.667)

Have a look what the booklet for  
CIELCh(39, 10.851, 355.667)  
contains.

<b>CIELCh(39, 10.745, 357.671)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(39, 10.745, 357.671)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D565D
RGB	109, 86, 93
RGB Percent	43%, 34%, 36%
CMY	0.5732, 0.6633, 0.6359
CMYK	0.00, 0.21, 0.15, 0.57
HSL	342°, 12%, 38%
HSV	342°, 21%, 43%
XYZ	11.5707, 10.6589, 11.7668
YIQ	93.6750, 11.4610, 7.0530

# Conversions

## Conversions Part 2

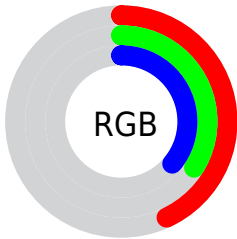
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 86, 93
Decimal	7165533
CIE <sub>Lab</sub>	39.00, 10.74, -0.44
CIE <sub>LCh</sub>	39, 10.745, 357.671
Yxy	10.6589, 0.3403, 0.3135
Android (android.graphics.Color)	4285355613 (0xFF6D565D)
YUV	93.6750, -0.3328, 13.4400
Hunter-Lab	32.6480, 6.1275, 1.4846




# Details

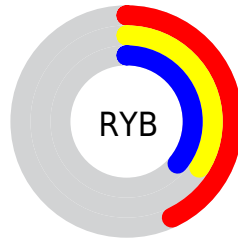
The CIELCh color  $[39, 10.745, 357.671]$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $[44, 10.150, 173.785]$ , and the grayscale version is  $[40, 0.006, 296.813]$ .




A 20% lighter version of the original color is  $[59, 10.671, 358.836]$ , and  $[19, 10.438, 359.058]$  is the 20% darker color. If you saturate the color by 10%, you get  $[36, 16.068, 358.887]$ , and if you desaturate by 10%, it is  $[42, 5.557, 356.612]$ .

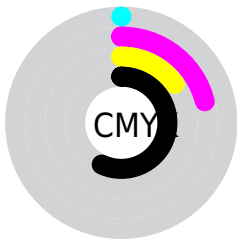
# Distribution







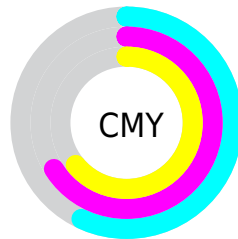
-  Red (43%)
-  Green (34%)
-  Blue (36%)






-  Red (43%)
-  Yellow (34%)
-  Blue (36%)



-  Cyan (0%)
-  Magenta (21%)
-  Yellow (15%)
-  Black (57%)




-  Cyan (57%)
-  Magenta (66%)
-  Yellow (64%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 10.745, 357.671 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, 10.745, 357.671 by changing the saturation by 10% instead.





 39, 10.745,  
357.671


 39, 10.745,  
357.671

 100, 10.745,  
357.671


 29, 10.745,  
357.671

 59, 10.745,  
357.671


 19, 10.745,  
357.671


 69, 10.745,  
357.671

 9, 10.745, 357.671

 79, 10.745,  
357.671

 0, 10.745, 357.671

 89, 10.745,  
357.671

 99, 10.745,  
357.671

39, 10.745,  
357.671

39, 10.745,  
357.671

36, 16.068,  
358.887

42, 5.557, 356.612

33, 21.447, 0.310

46, 0.553, 355.207

30, 26.753, 2.018

49, 4.246, 175.025

27, 31.807, 4.110

52, 8.838, 174.265

25, 36.395, 6.711

56, 13.227,  
173.601

24, 40.310, 9.967

59, 17.426,  
173.000

22, 43.435, 14.009

63, 21.447,  
172.451

21, 46.106, 17.704

66, 25.306,  
171.947

69, 29.018,



# Harmonies

# Complementary

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



39, 10.745, 357.671



44, 10.150, 173.785

# Rectangle

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



39, 10.745, 357.671



39, 10.745, 47.671



39, 10.745, 177.671



39, 10.745, 227.671

# Sweetspot

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



39, 10.744, 357.675



56, 3.656, 356.101



39, 15.503, 316.044



29, 2.446, 356.149



80, 0.010, 296.813



30, 0.005, 296.813





# Same Dimension

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



39, 10.744, 357.675



48, 15.769, 358.202



40, 8.709, 37.413



21, 2.758, 356.390



23, 48.732, 18.220



52, 85.347, 21.824



# Inverse Universe

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



39, 10.744, 357.675



48, 15.769, 358.202



43, 7.624, 218.164



21, 2.758, 356.390



23, 48.732, 18.220

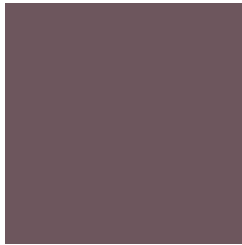


52, 85.347, 21.824



# Previews

## White Background



This preview shows how the CIELCh color 39, 10.745, 357.671 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, 10.745, 357.671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

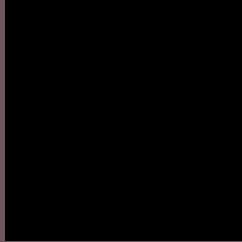
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 39, 10.745, 357.671

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 10.745, 357.671.

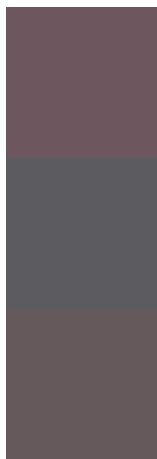


This preview shows how white text looks on a background with the CIELCh color 39, 10.745, 357.671.

# 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, 10.745, 357.671

**Protanopia**  
39, 3.101, 298.325

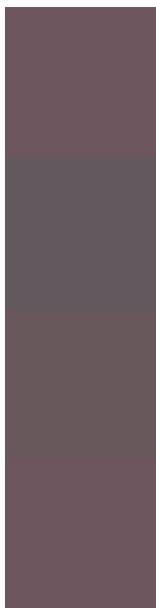
**Deuteranopia**  
39, 5.450, 0.536





**Tritanopia**  
39, 10.745, 357.671

# Trichromacy



**Original Color**  
39, 10.745, 357.671

**Protanomaly**  
39, 5.297, 336.229

**Deuteranomaly**  
39, 7.285, 0.905

**Tritanomaly**  
39, 10.745, 357.671

# Monochromacy



**Original Color**  
39, 10.745, 357.671

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
39, 3.859, 351.597

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 10.745, 357.671 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(109, 86, 93)` looks like.

```
.text, #text, p{  
    color:rgb(109, 86, 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(109, 86, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 86, 93) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 10.745, 357.671 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(109, 86, 93) }
```

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

```
.border{ border-color:rgb(109, 86, 93) }
```

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

Here you see how a box with a 4 pixel rgb(109, 86, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 86, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 86, 93);  
box-shadow:4px 4px 4px 4px rgb(109, 86,  
93) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 10.745, 357.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 86, 93) }
```

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

```
.background{ background-color: rgb(109, 86,  
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