

# Converting Colors

CIELCh(39, 44.137, 329.407)

Have a look what the booklet for  
CIELCh(39, 44.137, 329.407)  
contains.

<b>CIELCh(39, 43.984, 329.237)</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, 43.984, 329.237)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	864381
RGB	134, 67, 129
RGB Percent	53%, 26%, 51%
CMY	0.4747, 0.7374, 0.4943
CMYK	0.00, 0.50, 0.04, 0.47
HSL	304°, 33%, 39%
HSV	304°, 50%, 53%
XYZ	15.7900, 10.6589, 21.9806
YIQ	94.1010, 20.0300, 33.4860

# Conversions

## Conversions Part 2

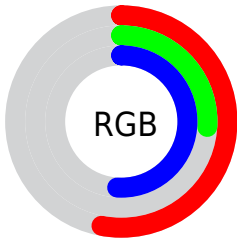
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 67, 129
Decimal	8799105
CIE <sub>Lab</sub>	39.00, 37.80, -22.50
CIE <sub>LCh</sub>	39, 43.984, 329.237
Yxy	10.6589, 0.3260, 0.2201
Android (android.graphics.Color)	4286989185 (0xFF864381)
YUV	94.1010, 17.2052, 34.9914
Hunter-Lab	32.6480, 29.1962, -17.0640

# Details

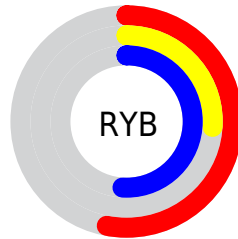
The CIELCh color  $39, 43.984, 329.237$  is a dark color, and the websafe version is hex  $663366$ . A complement of this color would be  $50, 44.219, 142.499$ , and the grayscale version is  $40, 0.006, 296.813$ .

A 20% lighter version of the original color is  $59, 43.778, 329.399$ , and  $19, 43.872, 329.395$  is the 20% darker color. If you saturate the color by 10%, you get  $36, 51.431, 329.734$ , and if you desaturate by 10%, it is  $42, 35.731, 328.711$ .

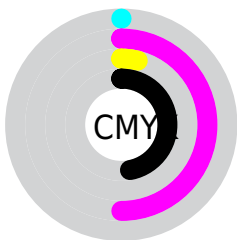
# Distribution



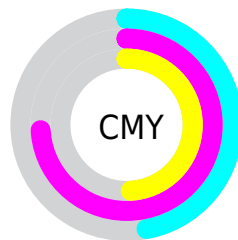
- Red (53%)
- Green (26%)
- Blue (51%)



- Red (53%)
- Yellow (26%)
- Blue (51%)



- Cyan (0%)
- Magenta (50%)
- Yellow (4%)
- Black (47%)




- Cyan (47%)
- Magenta (74%)
- Yellow (49%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 43.984, 329.237 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, 43.984, 329.237 by changing the saturation by 10% instead.





 39, 43.984,  
329.237


 39, 43.984,  
329.237

 100, 43.984,  
329.237


 29, 43.984,  
329.237

 59, 43.984,  
329.237

 19, 43.984,  
329.237

 69, 43.984,  
329.237

 9, 43.984, 329.237

 79, 43.984,  
329.237

 0, 43.984, 329.237

 89, 43.984,  
329.237

 99, 43.984,  
329.237

39, 43.984,  
329.237

39, 43.984,  
329.237

36, 51.431,  
329.734

42, 35.731,  
328.711

34, 57.732,  
330.195

45, 26.989,  
328.164

33, 62.567,  
330.614

49, 18.007,  
327.607

31, 65.724,  
330.996

52, 8.972, 327.042

31, 67.673,  
331.353

56, 0.016, 313.372

60, 8.779, 146.009

64, 17.360,  
145.484

67, 25.702,  
144.988

■ 71, 33.792,  
144.518

# Harmonies

# Complementary

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



39, 43.984, 329.237



50, 44.219, 142.499

# Rectangle

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



39, 43.984, 329.237



39, 43.984, 19.237



39, 43.984, 149.237



39, 43.984, 199.237

# Sweetspot

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



39, 43.982, 329.237



64, 16.642, 327.344



32, 42.357, 298.860



32, 11.313, 327.444



86, 0.010, 296.813



37, 0.005, 296.813





# Same Dimension

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



39, 43.982, 329.237



47, 63.217, 329.797



38, 32.474, 353.003



26, 5.010, 326.990



30, 66.250, 331.343



0, 1.193, 326.513



# Inverse Universe

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



39, 43.982, 329.237



47, 63.217, 329.797



51, 30.041, 162.242



26, 5.010, 326.990



30, 66.250, 331.343

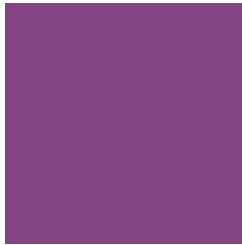


0, 1.193, 326.513



# Previews

## White Background



This preview shows how the CIELCh color 39, 43.984, 329.237 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, 43.984, 329.237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

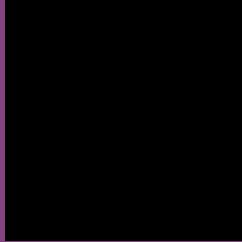
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 39, 43.984, 329.237**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 39, 43.984, 329.237.

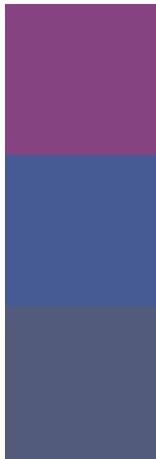


This preview shows how white text looks on a background with the CIELCh color 39, 43.984, 329.237.

# 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, 43.984, 329.237

### Protanopia

39, 35.033, 285.047

### Deuteranopia

39, 20.900, 285.577





**Tritanopia**  
39, 22.996, 14.124

# Trichromacy



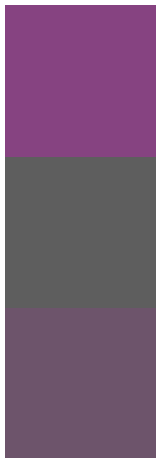
**Original Color**  
39, 43.984, 329.237

**Protanomaly**  
38, 36.500, 301.207

**Deuteranomaly**  
38, 28.108, 309.226

**Tritanomaly**  
39, 28.174, 350.560

# Monochromacy



**Original Color**  
39, 43.984, 329.237

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
39, 17.367, 327.906

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 43.984, 329.237 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(134, 67, 129)` looks like.

```
.text, #text, p{  
    color:rgb(134, 67, 129)  
}
```

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(134, 67, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 67, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 43.984, 329.237 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(134, 67, 129) }
```

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

```
.border{ border-color:rgb(134, 67, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 67, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 67, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 67, 129);  
box-shadow:4px 4px 4px 4px rgb(134, 67,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 43.984, 329.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 67, 129) }
```

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

```
.background{ background-color: rgb(134, 67,  
129) }
```

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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