

# Converting Colors

CIELCh(39, 40.481, 329.809)

Have a look what the booklet for  
CIELCh(39, 40.481, 329.809)  
contains.

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# Color

**CIELCh(39, 40.475, 329.816)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83457D
RGB	131, 69, 125
RGB Percent	51%, 27%, 49%
CMY	0.4845, 0.7278, 0.5081
CMYK	0.00, 0.47, 0.05, 0.48
HSL	306°, 31%, 39%
HSV	306°, 47%, 52%
XYZ	15.3110, 10.6589, 20.7957
YIQ	93.9220, 18.9760, 30.5600

# Conversions

## Conversions Part 2

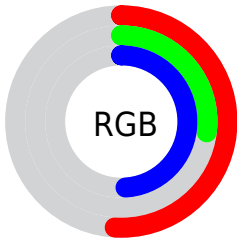
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 69, 125
Decimal	8603005
CIE <sub>Lab</sub>	39.00, 34.99, -20.35
CIE <sub>LCh</sub>	39, 40.475, 329.816
Yxy	10.6589, 0.3274, 0.2279
Android (android.graphics.Color)	4286793085 (0xFF83457D)
YUV	93.9220, 15.3215, 32.5174
Hunter-Lab	32.6480, 26.5775, -14.9121

# Details

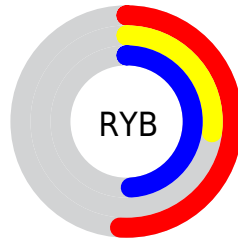
The CIELCh color  $39, 40.475, 329.816$  is a dark color, and the websafe version is hex  $663366$ . A complement of this color would be  $50, 40.619, 143.445$ , and the grayscale version is  $40, 0.006, 296.813$ .

A 20% lighter version of the original color is  $59, 40.722, 329.528$ , and  $19, 40.569, 329.933$  is the 20% darker color. If you saturate the color by 10%, you get  $36, 47.961, 330.352$ , and if you desaturate by 10%, it is  $42, 32.300, 329.262$ .

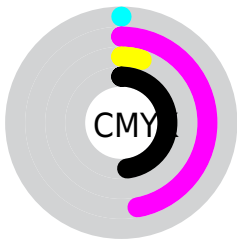
# Distribution



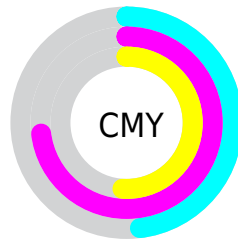
- Red (51%)
- Green (27%)
- Blue (49%)



- Red (51%)
- Yellow (27%)
- Blue (49%)



- Cyan (0%)
- Magenta (47%)
- Yellow (5%)
- Black (48%)




- Cyan (48%)
- Magenta (73%)
- Yellow (51%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 40.475, 329.816 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, 40.475, 329.816 by changing the saturation by 10% instead.





 39, 40.475,  
329.816


 39, 40.475,  
329.816

 100, 40.475,  
329.816


 29, 40.475,  
329.816

 59, 40.475,  
329.816


 19, 40.475,  
329.816


 69, 40.475,  
329.816

 9, 40.475, 329.816

 79, 40.475,  
329.816

 0, 40.475, 329.816

 89, 40.475,  
329.816

 99, 40.475,  
329.816

39, 40.475,  
329.816

39, 40.475,  
329.816

36, 47.961,  
330.352

42, 32.300,  
329.262

34, 54.429,  
330.863

45, 23.730,  
328.696

32, 59.549,  
331.348

49, 14.988,  
328.125

31, 63.068,  
331.809

52, 6.239, 327.545

30, 65.105,  
332.257

56, 2.406, 147.116

30, 65.629,  
332.381

60, 10.876,  
146.517

64, 19.130,  
145.997

67, 27.149,  
145.505

■ 71, 34.925,  
145.039

# Harmonies

# Complementary

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



39, 40.475, 329.816



50, 40.619, 143.445

# Rectangle

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



39, 40.475, 329.816



39, 40.475, 19.816



39, 40.475, 149.816



39, 40.475, 199.816

# Sweetspot

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



39, 40.473, 329.816



64, 15.105, 327.960



33, 39.140, 298.850



32, 10.518, 328.068



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, 40.473, 329.816



47, 59.033, 330.410



38, 30.016, 353.646



26, 4.933, 327.661



30, 65.130, 332.376



0, 1.175, 327.178



# Inverse Universe

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



39, 40.473, 329.816



47, 59.033, 330.410



50, 27.678, 163.592



26, 4.933, 327.661



30, 65.130, 332.376

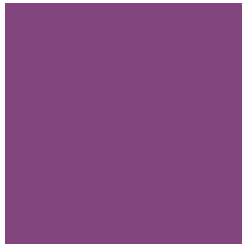


0, 1.175, 327.178



# Previews

## White Background



This preview shows how the CIE LCh color 39, 40.475, 329.816 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, 40.475, 329.816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

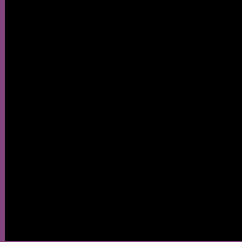
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 39, 40.475, 329.816

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 40.475, 329.816.



This preview shows how white text looks on a background with the CIELCh color 39, 40.475, 329.816.

# 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, 40.475, 329.816

### Protanopia

39, 31.946, 285.370

### Deuteranopia

39, 19.028, 286.541





**Tritanopia**  
39, 21.614, 13.273

# Trichromacy



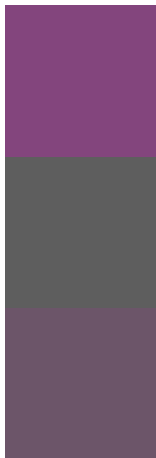
**Original Color**  
39, 40.475, 329.816

**Protanomaly**  
39, 33.490, 302.049

**Deuteranomaly**  
39, 25.663, 309.763

**Tritanomaly**  
39, 26.246, 350.432

# Monochromacy



**Original Color**  
39, 40.475, 329.816

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
39, 15.454, 329.399

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 40.475, 329.816 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(131, 69, 125)` looks like.

```
.text, #text, p{  
    color:rgb(131, 69, 125)  
}
```

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(131, 69, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 69, 125) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 40.475, 329.816 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(131, 69, 125) }
```

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

```
.border{ border-color:rgb(131, 69, 125) }
```

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

Here you see how a box with a 4 pixel rgb(131, 69, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 69, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 69, 125);  
box-shadow:4px 4px 4px 4px rgb(131, 69,  
125) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 40.475, 329.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 69, 125) }
```

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

```
.background{ background-color: rgb(131, 69,  
125) }
```

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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