

Converting Colors

CIELCh(39, 63.408, 311.117)

Have a look what the booklet for
CIELCh(39, 63.408, 311.117)
contains.

CIELCh(39, 63.365, 311.367)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(39, 63.365, 311.367)

Conversions

Conversions Part 1

Format	Color
Hex	7443AA
RGB	116, 67, 170
RGB Percent	45%, 26%, 67%
CMY	0.5446, 0.7368, 0.3328
CMYK	0.32, 0.61, 0.00, 0.33
HSL	269°, 43%, 47%
HSV	269°, 61%, 67%
XYZ	16.5039, 10.6589, 39.2862
YIQ	93.3930, -3.8590, 42.4210

Conversions

Conversions Part 2

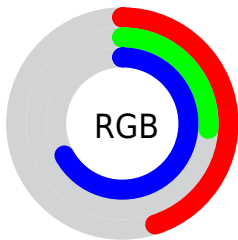
Format	Color
R_{YB}	116, 67, 170
Decimal	7619498
CIE _{Lab}	39.00, 41.88, -47.55
CIE _{LCh}	39, 63.365, 311.367
Yxy	10.6589, 0.2484, 0.1604
Android (android.graphics.Color)	4285809578 (0xFF7443AA)
YUV	93.3930, 37.7673, 19.8263
Hunter-Lab	32.6480, 33.0995, -48.4915

Details

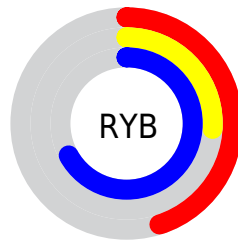
The CIELCh color $39, 63.365, 311.367$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $64, 57.557, 125.576$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 63.602, 311.383$, and $19, 63.618, 311.335$ is the 20% darker color. If you saturate the color by 10%, you get $35, 73.196, 311.767$, and if you desaturate by 10%, it is $44, 52.861, 310.853$.

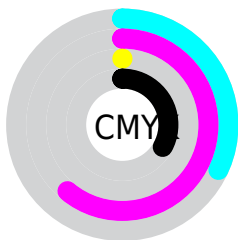
Distribution



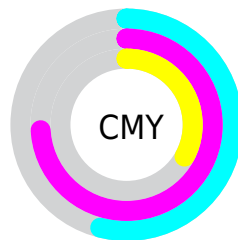
- Red (45%)
- Green (26%)
- Blue (67%)



- Red (45%)
- Yellow (26%)
- Blue (67%)



- Cyan (32%)
- Magenta (61%)
- Yellow (0%)
- Black (33%)





- Cyan (54%)
- Magenta (74%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 63.365, 311.367 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, 63.365, 311.367 by changing the saturation by 10% instead.


 39, 63.365,
311.367


 39, 63.365,
311.367

 100, 63.365,
311.367


 29, 63.365,
311.367

 59, 63.365,
311.367


 19, 63.365,
311.367


 69, 63.365,
311.367

 9, 63.365, 311.367

 79, 63.365,
311.367

 0, 63.365, 311.367

 89, 63.365,
311.367

 99, 63.365,
311.367

39, 63.365,
311.367

39, 63.365,
311.367

35, 73.196,
311.767

44, 52.861,
310.853

31, 81.737,
311.957

49, 42.116,
310.293

28, 88.243,
311.819

54, 31.393,
309.731

26, 92.566,
311.429

59, 20.844,
309.192

64, 10.550,
308.688

69, 0.546, 308.064

75, 9.153, 127.845

80, 18.549,
127.478

■ 85, 27.650,
127.157

Harmonies

Complementary

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



39, 63.365, 311.367



64, 57.557, 125.576

Rectangle

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



39, 63.365, 311.367



39, 63.365, 1.367



39, 63.365, 131.367



39, 63.365, 181.367

Sweetspot

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



39, 63.364, 311.367



77, 22.592, 309.077



50, 31.242, 264.006



39, 15.887, 309.224



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



39, 63.364, 311.367



44, 93.383, 311.869



46, 65.626, 326.395



33, 5.601, 308.626



22, 83.405, 311.558



1, 9.965, 305.844

Inverse Universe

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



44, 48.793, 349.059



53, 69.002, 351.742



62, 66.075, 138.692



33, 4.604, 343.069



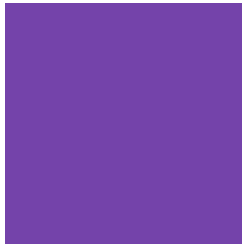
31, 56.845, 358.953



2, 7.911, 346.340

Previews

White Background



This preview shows how the CIELCh color 39, 63.365, 311.367 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 CIELCh color 39, 63.365, 311.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

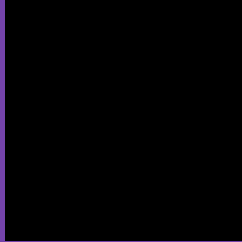
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 63.365, 311.367

Background



This preview shows how black text looks on a background with the CIELCh color 39, 63.365, 311.367.



This preview shows how white text looks on a background with the CIELCh color 39, 63.365, 311.367.

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, 63.365, 311.367

Protanopia

39, 61.180, 286.871

Deuteranopia

39, 44.592, 277.366



Tritanopia
39, 7.320, 344.710

Trichromacy



Original Color
39, 63.365, 311.367

Protanomaly
37, 61.887, 291.837

Deuteranomaly
38, 50.964, 289.971

Tritanomaly
38, 27.787, 315.323

Monochromacy



Original Color
39, 63.365, 311.367

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 24.371, 309.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 63.365, 311.367 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(116, 67, 170)` looks like.

```
.text, #text, p{  
    color:rgb(116, 67, 170)  
}
```

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(116, 67, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 67, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 63.365, 311.367 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(116, 67, 170) }
```

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

```
.border{ border-color:rgb(116, 67, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 67, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 67, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 67, 170);  
box-shadow:4px 4px 4px 4px rgb(116, 67,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 63.365, 311.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 67, 170) }
```

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

```
.background{ background-color: rgb(116, 67,  
170) }
```

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