

Converting Colors

CIELCh(39, 29.002, 331.440)

Have a look what the booklet for
CIELCh(39, 29.002, 331.440)
contains.

CIELCh(39, 28.968, 331.198)	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, 28.968, 331.198)

Conversions

Conversions Part 1

Format	Color
Hex	7A4D73
RGB	122, 77, 115
RGB Percent	48%, 30%, 45%
CMY	0.5220, 0.6984, 0.5494
CMYK	0.00, 0.37, 0.06, 0.52
HSL	309°, 23%, 39%
HSV	309°, 37%, 48%
XYZ	13.7463, 10.6589, 17.5212
YIQ	94.7870, 14.6220, 21.3580

Conversions

Conversions Part 2

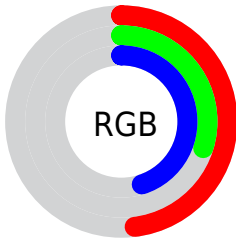
Format	Color
R_{YB}	122, 77, 115
Decimal	8015219
CIE Lab	39.00, 25.38, -13.96
CIE LCh	39, 28.968, 331.198
Yxy	10.6589, 0.3279, 0.2542
Android (android.graphics.Color)	4286205299 (0xFF7A4D73)
YUV	94.7870, 9.9650, 23.8658
Hunter-Lab	32.6480, 18.0223, -8.9655

Details

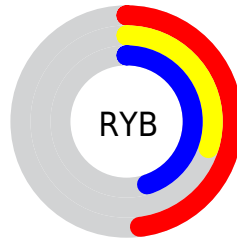
The CIELCh color $[39, 28.968, 331.198]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[47, 28.916, 146.285]$, and the grayscale version is $[40, 0.006, 296.813]$.

A 20% lighter version of the original color is $[59, 28.820, 331.060]$, and $[19, 28.897, 330.981]$ is the 20% darker color. If you saturate the color by 10%, you get $[36, 36.390, 331.814]$, and if you desaturate by 10%, it is $[42, 21.204, 330.588]$.

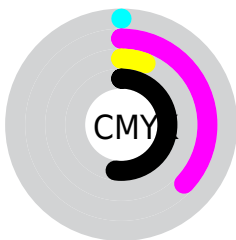
Distribution



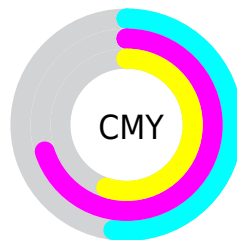
- Red (48%)
- Green (30%)
- Blue (45%)



- Red (48%)
- Yellow (30%)
- Blue (45%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (52%)



- Cyan (52%)
- Magenta (70%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 28.968, 331.198 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, 28.968, 331.198 by changing the saturation by 10% instead.


 39, 28.968,
331.198

 39, 28.968,
331.198

 100, 28.968,
331.198

 29, 28.968,
331.198

 59, 28.968,
331.198

 19, 28.968,
331.198


 69, 28.968,
331.198

 9, 28.968, 331.198

 79, 28.968,
331.198

 0, 28.968, 331.198

 89, 28.968,
331.198

 99, 28.968,
331.198

■ 39, 28.968,
331.198

■ 39, 28.968,
331.198

■ 36, 36.390,
331.814

■ 42, 21.204,
330.588

■ 34, 43.217,
332.434

■ 45, 13.303,
329.985

■ 31, 49.140,
333.059

■ 49, 5.407, 329.379

■ 30, 53.847,
333.696

■ 52, 2.388, 148.938

■ 28, 57.086,
334.358

■ 56, 10.022,
148.328

■ 27, 58.973,
335.054

■ 59, 17.460,
147.798

■ 27, 59.521,
335.266

■ 63, 24.687,
147.297

■ 67, 31.698,
146.823

■ 70, 38.496,
146.375

Harmonies

Complementary

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



39, 28.968, 331.198



47, 28.916, 146.285

Rectangle

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



39, 28.968, 331.198



39, 28.968, 21.198



39, 28.968, 151.198



39, 28.968, 201.198

Sweetspot

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



39, 28.966, 331.198



60, 10.677, 329.646



35, 28.248, 299.433



30, 7.139, 329.709



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



39, 28.966, 331.198



48, 42.348, 331.700



38, 21.429, 356.559



24, 4.428, 329.513



28, 60.572, 335.287



58, 101.334, 335.735

Inverse Universe

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



39, 28.966, 331.198



48, 42.348, 331.700



48, 19.656, 169.015



24, 4.428, 329.513



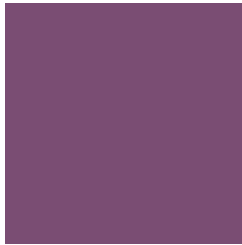
28, 60.572, 335.287



58, 101.334, 335.735

Previews

White Background



This preview shows how the CIELCh color 39, 28.968, 331.198 looks on a white background.

Color Contrast Check

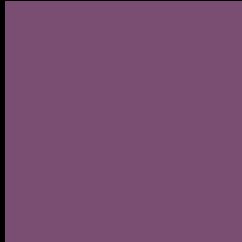
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.968, 331.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

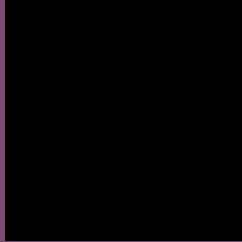
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 28.968, 331.198

Background



This preview shows how black text looks on a background with the CIELCh color 39, 28.968, 331.198.



This preview shows how white text looks on a background with the CIELCh color 39, 28.968, 331.198.

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, 28.968, 331.198

Protanopia

39, 20.939, 284.653

Deuteranopia

39, 13.504, 293.877



Tritanopia
39, 16.636, 9.412

Trichromacy



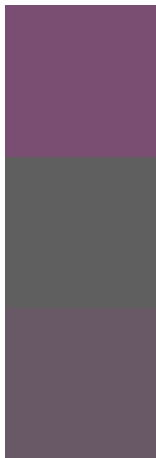
Original Color
39, 28.968, 331.198

Protanomaly
39, 21.959, 304.139

Deuteranomaly
39, 18.509, 313.738

Tritanomaly
39, 20.020, 349.608

Monochromacy



Original Color
39, 28.968, 331.198

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 11.098, 330.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 28.968, 331.198 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(122, 77, 115)` looks like.

```
.text, #text, p{  
    color:rgb(122, 77, 115)  
}
```

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(122, 77, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 77, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 28.968, 331.198 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(122, 77, 115) }
```

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

```
.border{ border-color:rgb(122, 77, 115) }
```

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

Here you see how a box with a 4 pixel rgb(122, 77, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 77, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 77, 115);  
box-shadow:4px 4px 4px 4px rgb(122, 77,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 28.968, 331.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 77, 115) }
```

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

```
.background{ background-color: rgb(122, 77,  
115) }
```

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