

Converting Colors

CIELCh(39, 48.940, 314.333)

Have a look what the booklet for
CIELCh(39, 48.940, 314.333)
contains.

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Color

CIELCh(39, 48.942, 314.231)

Conversions

Conversions Part 1

Format	Color
Hex	754895
RGB	117, 72, 149
RGB Percent	46%, 28%, 58%
CMY	0.5399, 0.7165, 0.4144
CMYK	0.21, 0.52, 0.00, 0.41
HSL	275°, 35%, 43%
HSV	275°, 52%, 59%
XYZ	15.1684, 10.6589, 29.8304
YIQ	94.2330, 2.1030, 33.4870

Conversions

Conversions Part 2

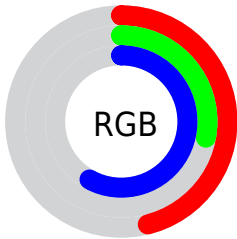
Format	Color
R_{YB}	117, 72, 149
Decimal	7686293
CIE _{Lab}	39.00, 34.14, -35.07
CIE _{LCh}	39, 48.942, 314.231
Yxy	10.6589, 0.2725, 0.1915
Android (android.graphics.Color)	4285876373 (0xFF754895)
YUV	94.2330, 27.0001, 19.9667
Hunter-Lab	32.6480, 25.7975, -31.3194

Details

The CIELCh color $[39, 48.942, 314.231]$ is a dark color, and the websafe version is hex `663399`. A complement of this color would be $[57, 46.187, 129.634]$, and the grayscale version is $[40, 0.006, 296.813]$.

A 20% lighter version of the original color is $[59, 49.177, 314.197]$, and $[19, 49.026, 314.154]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 58.108, 314.589]$, and if you desaturate by 10%, it is $[43, 39.387, 313.801]$.

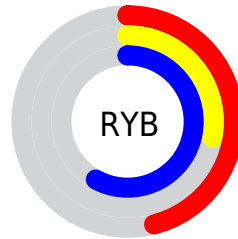
Distribution



Red (46%)

Green (28%)

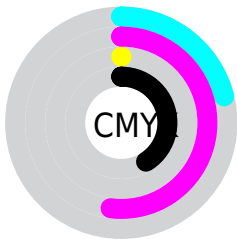
Blue (58%)



Red (46%)

Yellow (28%)

Blue (58%)

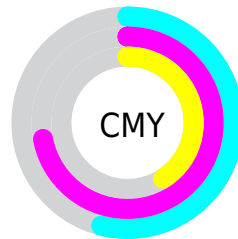


Cyan (21%)

Magenta (52%)

Yellow (0%)

Black (41%)



Cyan (54%)


Magenta (72%)


Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 48.942, 314.231 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, 48.942, 314.231 by changing the saturation by 10% instead.

 39, 48.942,
314.231

 39, 48.942,
314.231

 100, 48.942,
314.231


 29, 48.942,
314.231

 59, 48.942,
314.231


 19, 48.942,
314.231


 69, 48.942,
314.231

 9, 48.942, 314.231

 79, 48.942,
314.231

 0, 48.942, 314.231

 89, 48.942,
314.231

 99, 48.942,
314.231

39, 48.942,
314.231

39, 48.942,
314.231

35, 58.108,
314.589

43, 39.387,
313.801

32, 66.489,
314.816

48, 29.720,
313.342

28, 73.565,
314.833

52, 20.112,
312.881

26, 78.788,
314.554

57, 10.668,
312.433

24, 82.100,
314.174

61, 1.444, 311.948

66, 7.532, 131.663

70, 16.249,
131.307

75, 24.708,
130.993

■ 79, 32.915,
130.713

Harmonies

Complementary

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



39, 48.942, 314.231



57, 46.187, 129.634

Rectangle

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



39, 48.942, 314.231



39, 48.942, 4.231



39, 48.942, 134.231



39, 48.942, 184.231

Sweetspot

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



39, 48.941, 314.231



70, 17.165, 312.598



44, 28.179, 273.455



35, 11.703, 312.683



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



39, 48.941, 314.231



45, 72.223, 314.638



43, 49.073, 329.630



29, 5.148, 312.329



22, 77.341, 314.254



1, 4.454, 311.963

Inverse Universe

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



41, 36.251, 354.542



49, 52.762, 356.822



56, 49.394, 142.507



29, 3.852, 349.220



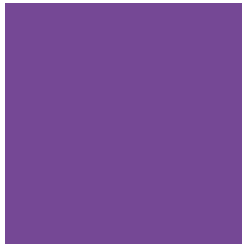
29, 53.438, 8.828



1, 3.324, 348.469

Previews

White Background



This preview shows how the CIE LCh color 39, 48.942, 314.231 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, 48.942, 314.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

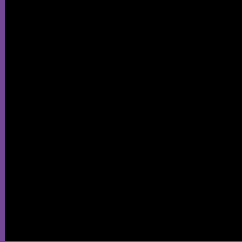
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 48.942, 314.231

Background



This preview shows how black text looks on a background with the CIELCh color 39, 48.942, 314.231.



This preview shows how white text looks on a background with the CIELCh color 39, 48.942, 314.231.

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





Tritanopia
39, 10.346, 356.631

Trichromacy



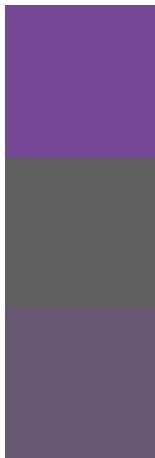
Original Color
39, 48.942, 314.231

Protanomaly
39, 46.428, 294.779

Deuteranomaly
39, 37.984, 294.830

Tritanomaly
39, 22.916, 324.106

Monochromacy



Original Color
39, 48.942, 314.231

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 18.313, 312.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 48.942, 314.231 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(117, 72, 149)` looks like.

```
.text, #text, p{  
    color:rgb(117, 72, 149)  
}
```

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(117, 72, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 72, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 48.942, 314.231 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(117, 72, 149) }
```

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

```
.border{ border-color:rgb(117, 72, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 72, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 72, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 72, 149); box-shadow:4px 4px 4px 4px rgb(117, 72, 149) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 48.942, 314.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 72, 149) }
```

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

```
.background{ background-color: rgb(117, 72,  
149) }
```

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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