

Converting Colors

CIELCh(39, 62.098, 310.152)

Have a look what the booklet for
CIELCh(39, 62.098, 310.152)
contains.

CIELCh(39, 62.098, 310.152)	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, 62.098, 310.152)

Conversions

Conversions Part 1

Format	Color
Hex	7145AA
RGB	113, 69, 170
RGB Percent	44%, 27%, 67%
CMY	0.5570, 0.7296, 0.3335
CMYK	0.34, 0.59, 0.00, 0.33
HSL	266°, 42%, 47%
HSV	266°, 59%, 67%
XYZ	16.1804, 10.6589, 39.2108
YIQ	93.6700, -6.1970, 40.7390

Conversions

Conversions Part 2

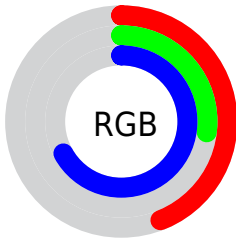
Format	Color
R_{YB}	113, 69, 170
Decimal	7423402
CIE _{Lab}	39.00, 40.04, -47.46
CIE _{LCh}	39, 62.098, 310.152
Yxy	10.6589, 0.2450, 0.1614
Android (android.graphics.Color)	4285613482 (0xFF7145AA)
YUV	93.6700, 37.6307, 16.9524
Hunter-Lab	32.6480, 31.3307, -48.3546

Details

The CIELCh color **39, 62.098, 310.152** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **65, 55.966, 124.115**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 62.217, 310.175**, and **19, 62.021, 310.022** is the 20% darker color. If you saturate the color by 10%, you get **35, 72.187, 310.652**, and if you desaturate by 10%, it is **44, 51.464, 309.558**.

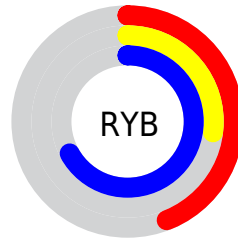
Distribution



Red (44%)

Green (27%)

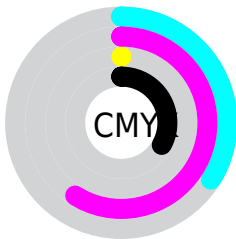
Blue (67%)



Red (44%)

Yellow (27%)

Blue (67%)

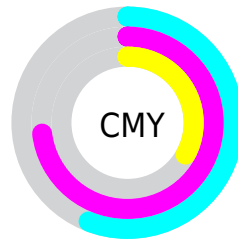


Cyan (34%)

Magenta (59%)

Yellow (0%)

Black (33%)



Cyan (56%)


Magenta (73%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 62.098, 310.152 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, 62.098, 310.152 by changing the saturation by 10% instead.


 39, 62.098,
310.152


 39, 62.098,
310.152

 100, 62.098,
310.152


 29, 62.098,
310.152

 59, 62.098,
310.152


 19, 62.098,
310.152


 69, 62.098,
310.152

 9, 62.098, 310.152

 79, 62.098,
310.152

 0, 62.098, 310.152

 89, 62.098,
310.152

 99, 62.098,
310.152

39, 62.098,
310.152

39, 62.098,
310.152

35, 72.187,
310.652

44, 51.464,
309.558

31, 81.126,
310.959

49, 40.685,
308.936

27, 88.131,
310.947

54, 29.996,
308.327

25, 93.000,
310.615

59, 19.524,
307.754

25, 93.277,
310.601

65, 9.333, 307.225

70, 0.552, 126.918

75, 10.125,
126.352

80, 19.391,
125.978

■ 86, 28.362,
125.654

Harmonies

Complementary

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



39, 62.098, 310.152



65, 55.966, 124.115

Rectangle

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



39, 62.098, 310.152



39, 62.098, 0.152



39, 62.098, 130.152



39, 62.098, 180.152

Sweetspot

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



39, 62.097, 310.152



77, 22.436, 307.694



51, 29.428, 259.476



39, 15.782, 307.851



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, 62.097, 310.152



44, 91.370, 310.765



46, 64.308, 325.323



33, 5.558, 307.218



21, 84.109, 310.727



1, 9.903, 304.583

Inverse Universe

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



45, 49.026, 346.407



54, 69.116, 348.583



62, 64.437, 138.188



33, 4.733, 341.011



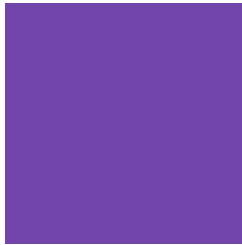
32, 57.560, 355.359



2, 8.112, 344.277

Previews

White Background



This preview shows how the CIELCh color 39, 62.098, 310.152 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, 62.098, 310.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

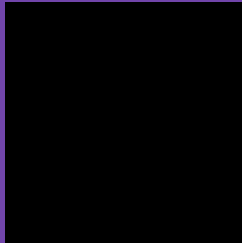
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 62.098, 310.152

Background



This preview shows how black text looks on a background with the CIELCh color 39, 62.098, 310.152.



This preview shows how white text looks on a background with the CIELCh color 39, 62.098, 310.152.

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, 62.098, 310.152

Protanopia
39, 61.180, 286.871

Deuteranopia
39, 44.612, 277.266



Tritanopia
39, 5.735, 331.826

Trichromacy



Original Color
39, 62.098, 310.152

Protanomaly
38, 61.251, 291.297

Deuteranomaly
38, 50.366, 289.018

Tritanomaly
38, 26.474, 311.032

Monochromacy



Original Color
39, 62.098, 310.152

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 23.566, 308.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 62.098, 310.152 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(113, 69, 170)` looks like.

```
.text, #text, p{  
    color:rgb(113, 69, 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(113, 69, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 69, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 62.098, 310.152 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(113, 69, 170) }
```

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

```
.border{ border-color:rgb(113, 69, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 69, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 69, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 69, 170);  
box-shadow:4px 4px 4px 4px rgb(113, 69,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 62.098, 310.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 69, 170) }
```

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

```
.background{ background-color: rgb(113, 69,  
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