

Converting Colors

CIELCh(39, 55.030, 311.269)

Have a look what the booklet for
CIELCh(39, 55.030, 311.269)
contains.

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Color

CIELCh(39, 55.420, 311.330)

Conversions

Conversions Part 1

Format	Color
Hex	7247A0
RGB	114, 71, 160
RGB Percent	45%, 28%, 63%
CMY	0.5523, 0.7210, 0.3719
CMYK	0.29, 0.56, 0.00, 0.37
HSL	269°, 38%, 45%
HSV	269°, 56%, 63%
XYZ	15.5848, 10.6589, 34.5723
YIQ	94.0030, -2.9410, 36.7950

Conversions

Conversions Part 2

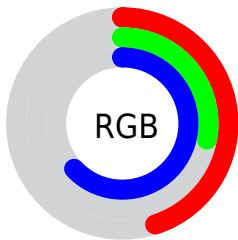
Format	Color
R_{YB}	114, 71, 160
Decimal	7489440
CIE _{Lab}	39.00, 36.60, -41.62
CIE _{LCh}	39, 55.420, 311.330
Yxy	10.6589, 0.2563, 0.1753
Android (android.graphics.Color)	4285679520 (0xFF7247A0)
YUV	94.0030, 32.5365, 17.5374
Hunter-Lab	32.6480, 28.0742, -39.9309

Details

The CIELCh color $39, 55.420, 311.330$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $61, 50.893, 125.996$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 55.252, 311.277$, and $19, 55.327, 311.267$ is the 20% darker color. If you saturate the color by 10%, you get $35, 65.153, 311.785$, and if you desaturate by 10%, it is $44, 45.273, 310.799$.

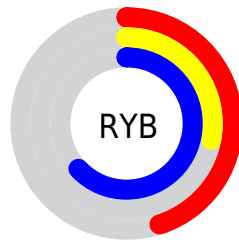
Distribution



Red (45%)

Green (28%)

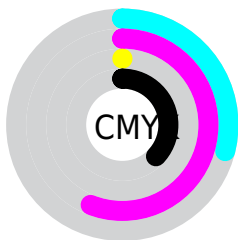
Blue (63%)



Red (45%)

Yellow (28%)

Blue (63%)

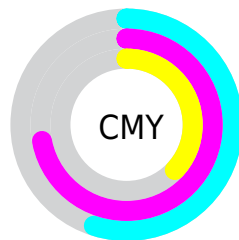


Cyan (29%)

Magenta (56%)

Yellow (0%)

Black (37%)



Cyan (55%)


Magenta (72%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 55.420, 311.330 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, 55.420, 311.330 by changing the saturation by 10% instead.


 39, 55.420,
311.330


 39, 55.420,
311.330

 100, 55.420,
311.330


 29, 55.420,
311.330

 59, 55.420,
311.330


 19, 55.420,
311.330


 69, 55.420,
311.330

 9, 55.420, 311.330

 79, 55.420,
311.330

 0, 55.420, 311.330

 89, 55.420,
311.330

 99, 55.420,
311.330

39, 55.420,
311.330

39, 55.420,
311.330

35, 65.153,
311.785

44, 45.273,
310.799

31, 73.984,
312.084

48, 35.033,
310.246

28, 81.259,
312.121

53, 24.893,
309.703

25, 86.361,
311.798

58, 14.957,
309.189

24, 88.350,
311.645

63, 5.281, 308.707

68, 4.113, 128.322

73, 13.219,
127.925

78, 22.041,
127.585

■ 83, 30.590,
127.287

Harmonies

Complementary

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



39, 55.420, 311.330



61, 50.893, 125.996

Rectangle

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



39, 55.420, 311.330



39, 55.420, 1.330



39, 55.420, 131.330



39, 55.420, 181.330

Sweetspot

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



39, 55.419, 311.330



73, 20.332, 309.277



48, 27.498, 262.369



37, 13.607, 309.370



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



39, 55.419, 311.330



44, 82.479, 311.885



45, 58.234, 326.211



31, 5.325, 308.881



21, 81.141, 311.756



1, 6.847, 307.598

Inverse Universe

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



43, 43.047, 348.678



52, 61.987, 350.906



59, 58.474, 139.231



31, 4.349, 343.456



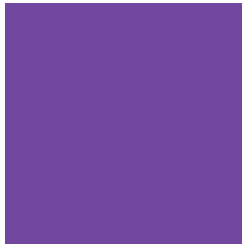
30, 55.327, 359.498



1, 5.528, 344.182

Previews

White Background



This preview shows how the CIELCh color 39, 55.420, 311.330 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, 55.420, 311.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

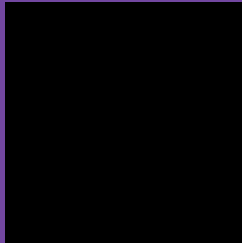
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 55.420, 311.330

Background



This preview shows how black text looks on a background with the CIELCh color 39, 55.420, 311.330.

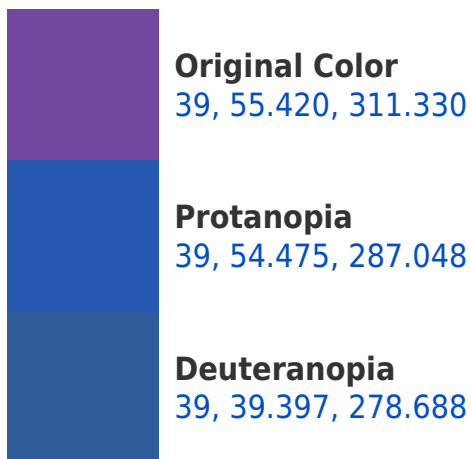



This preview shows how white text looks on a background with the CIELCh color 39, 55.420, 311.330.

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, 7.320, 344.710

Trichromacy



Original Color
39, 55.420, 311.330

Protanomaly
38, 54.311, 293.700

Deuteranomaly
38, 44.699, 291.725

Tritanomaly
39, 24.564, 315.364

Monochromacy



Original Color
39, 55.420, 311.330

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 20.527, 309.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 55.420, 311.330 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(114, 71, 160)` looks like.

```
.text, #text, p{  
    color:rgb(114, 71, 160)  
}
```

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(114, 71, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 71, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 55.420, 311.330 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(114, 71, 160) }
```

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

```
.border{ border-color:rgb(114, 71, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 71, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 71, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 71, 160);  
box-shadow:4px 4px 4px 4px rgb(114, 71,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 55.420, 311.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 71, 160) }
```

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

```
.background{ background-color: rgb(114, 71,  
160) }
```

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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