

Converting Colors

CIELCh(39, 82.020, 311.796)

Have a look what the booklet for
CIELCh(39, 82.020, 311.796)
contains.

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Color

CIELCh(39, 81.993, 311.881)

Conversions

Conversions Part 1

Format	Color
Hex	7937C1
RGB	121, 55, 193
RGB Percent	47%, 22%, 76%
CMY	0.5253, 0.7841, 0.2429
CMYK	0.37, 0.71, 0.00, 0.24
HSL	269°, 56%, 49%
HSV	269°, 71%, 76%
XYZ	18.8935, 10.6589, 51.5456
YIQ	90.4660, -4.9620, 56.9100

Conversions

Conversions Part 2

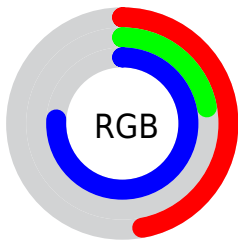
Format	Color
R _Y B	121, 55, 193
Decimal	7944129
CIE Lab	39.00, 54.74, -61.05
CIE LCh	39, 81.993, 311.881
Yxy	10.6589, 0.2330, 0.1314
Android (android.graphics.Color)	4286134209 (0xFF7937C1)
YUV	90.4660, 50.5493, 26.7783
Hunter-Lab	32.6480, 46.1644, -70.7551

Details

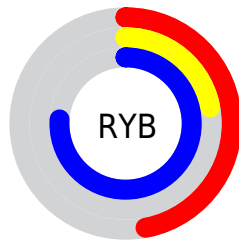
The CIELCh color **39, 81.993, 311.881** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **72, 73.072, 125.542**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 81.941, 311.883**, and **20, 79.566, 311.220** is the 20% darker color. If you saturate the color by 10%, you get **35, 91.130, 312.022**, and if you desaturate by 10%, it is **44, 71.279, 311.509**.

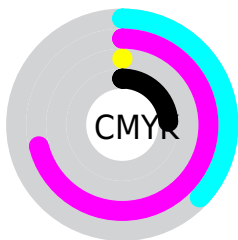
Distribution



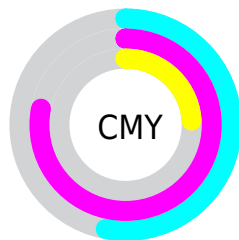
- Red (47%)
- Green (22%)
- Blue (76%)



- Red (47%)
- Yellow (22%)
- Blue (76%)



- Cyan (37%)
- Magenta (71%)
- Yellow (0%)
- Black (24%)





- Cyan (53%)
- Magenta (78%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 81.993, 311.881 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, 81.993, 311.881 by changing the saturation by 10% instead.


 39, 81.993,
311.881


 39, 81.993,
311.881

 100, 81.993,
311.881


 29, 81.993,
311.881

 59, 81.993,
311.881


 19, 81.993,
311.881


 69, 81.993,
311.881

 9, 81.993, 311.881

 79, 81.993,
311.881

 0, 81.993, 311.881

 89, 81.993,
311.881

 99, 81.993,
311.881

39, 81.993,
311.881

39, 81.993,
311.881

35, 91.130,
312.022

44, 71.279,
311.509

32, 97.856,
311.810

49, 59.719,
311.006

30, 101.720,
311.381

54, 47.829,
310.448

60, 35.929,
309.882

66, 24.206,
309.337

71, 12.758,
308.826

77, 1.632, 308.306

83, 9.155, 127.969

■ 89, 19.603,
127.595

Harmonies

Complementary

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



39, 81.993, 311.881



72, 73.072, 125.542

Rectangle

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



39, 81.993, 311.881



39, 81.993, 1.881



39, 81.993, 131.881



39, 81.993, 181.881

Sweetspot

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



39, 81.993, 311.881



83, 29.171, 309.328



52, 40.243, 268.135



42, 19.814, 309.477



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



39, 81.993, 311.881



43, 115.847, 311.948



49, 81.923, 326.716



38, 6.298, 308.722



24, 88.639, 311.535



2, 20.142, 304.597

Inverse Universe

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



46, 60.959, 351.436



56, 81.638, 355.605



69, 83.128, 137.539



38, 5.166, 343.217



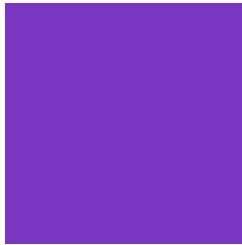
34, 60.312, 359.486



3, 16.028, 351.029

Previews

White Background



This preview shows how the CIE LCh color 39, 81.993, 311.881 looks on a white background.

Color Contrast Check

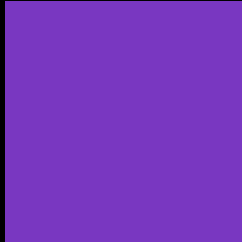
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.993, 311.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

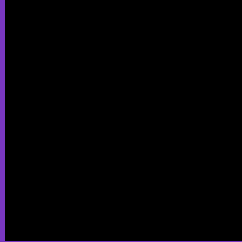
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 81.993, 311.881

Background



This preview shows how black text looks on a background with the CIELCh color 39, 81.993, 311.881.



This preview shows how white text looks on a background with the CIELCh color 39, 81.993, 311.881.

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, 81.993, 311.881

Protanopia

39, 60.618, 286.630

Deuteranopia

39, 43.846, 274.938



Tritanopia
39, 6.273, 344.549

Trichromacy



Original Color
39, 81.993, 311.881



Protanomaly
37, 69.057, 294.737



Deuteranomaly
37, 57.888, 291.135



Tritanomaly
38, 35.012, 313.429

Monochromacy



Original Color
39, 81.993, 311.881



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 32.096, 310.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 81.993, 311.881 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(121, 55, 193)` looks like.

```
.text, #text, p{  
    color:rgb(121, 55, 193)  
}
```

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(121, 55, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 55, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 81.993, 311.881 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(121, 55, 193) }
```

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

```
.border{ border-color:rgb(121, 55, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 55, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 55, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 55, 193);  
box-shadow:4px 4px 4px 4px rgb(121, 55,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 81.993, 311.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 55, 193) }
```

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

```
.background{ background-color: rgb(121, 55,  
193) }
```

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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