

Converting Colors

CIELCh(35, 39.674, 313.171)

Have a look what the booklet for
CIELCh(35, 39.674, 313.171)
contains.

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Color

CIELCh(35, 39.674, 313.171)

Conversions

Conversions Part 1

Format	Color
Hex	664481
RGB	102, 68, 129
RGB Percent	40%, 27%, 51%
CMY	0.6009, 0.7342, 0.4950
CMYK	0.21, 0.47, 0.00, 0.50
HSL	273°, 31%, 39%
HSV	273°, 47%, 50%
XYZ	11.4543, 8.4984, 21.7237
YIQ	85.1200, 0.6830, 26.1790

Conversions

Conversions Part 2

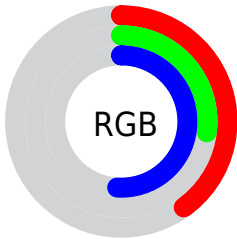
Format	Color
R_{YB}	102, 68, 129
Decimal	6702209
CIE _{Lab}	35.00, 27.14, -28.93
CIE _{LCh}	35, 39.674, 313.171
Yxy	8.4984, 0.2748, 0.2039
Android (android.graphics.Color)	4284892289 (0xFF664481)
YUV	85.1200, 21.6328, 14.8038
Hunter-Lab	29.1520, 19.1198, -23.7757

Details

The CIELCh color **35, 39.674, 313.171** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **50, 37.479, 128.936**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 39.539, 313.065**, and **15, 39.381, 313.279** is the 20% darker color. If you saturate the color by 10%, you get **31, 48.038, 313.593**, and if you desaturate by 10%, it is **39, 31.130, 312.707**.

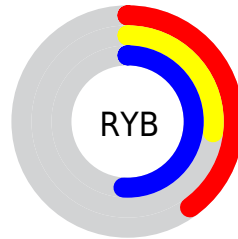
Distribution



Red (40%)

Green (27%)

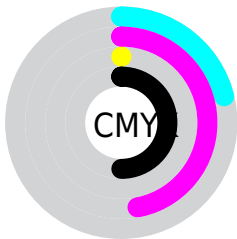
Blue (51%)



Red (40%)

Yellow (27%)

Blue (51%)

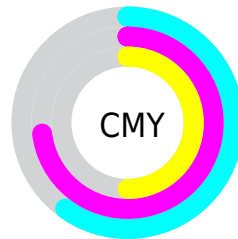


Cyan (21%)

Magenta (47%)

Yellow (0%)

Black (50%)



Cyan (60%)


Magenta (73%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 39.674, 313.171 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 35, 39.674, 313.171 by changing the saturation by 10% instead.


 35, 39.674,
313.171


 35, 39.674,
313.171

 100, 39.674,
313.171


 25, 39.674,
313.171

 55, 39.674,
313.171


 15, 39.674,
313.171


 65, 39.674,
313.171

 5, 39.674, 313.171

 75, 39.674,
313.171

 0, 39.674, 313.171

 85, 39.674,
313.171

 95, 39.674,
313.171

■ 35, 39.674,
313.171

■ 35, 39.674,
313.171

■ 31, 48.038,
313.593

■ 39, 31.130,
312.707

■ 28, 55.944,
313.922

■ 43, 22.593,
312.233

■ 25, 62.988,
314.090

■ 47, 14.174,
311.771

■ 22, 68.681,
314.009

■ 51, 5.933, 311.327

■ 55, 2.094, 130.990

■ 20, 72.908,
313.680

■ 59, 9.896, 130.587

■ 20, 74.048,
313.619

■ 63, 17.470,
130.254

■ 67, 24.819,
129.958

■ 71, 31.951,
129.696

Harmonies

Complementary

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



35, 39.674, 313.171



50, 37.479, 128.936

Rectangle

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



35, 39.674, 313.171



35, 39.674, 3.171



35, 39.674, 133.171



35, 39.674, 183.171

Sweetspot

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



35, 39.673, 313.171



62, 14.178, 311.635



40, 21.931, 268.987



31, 9.765, 311.717



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



35, 39.673, 313.171



41, 59.397, 313.631



38, 41.209, 328.317



25, 4.519, 311.404



20, 73.516, 313.630



0, 0.000, 0.000

Inverse Universe

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



37, 29.970, 351.953



45, 44.257, 353.768



49, 41.376, 142.136



25, 3.461, 347.570



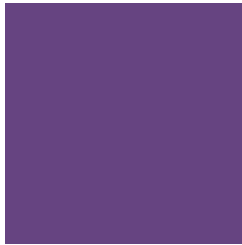
26, 50.505, 5.857



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 35, 39.674, 313.171 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 39.674, 313.171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

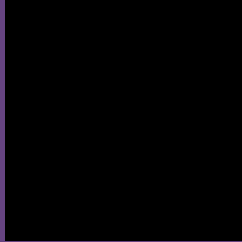
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 39.674, 313.171

Background



This preview shows how black text looks on a background with the CIELCh color 35, 39.674, 313.171.



This preview shows how white text looks on a background with the CIELCh color 35, 39.674, 313.171.

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
35, 39.674, 313.171

Protanopia
35, 36.941, 285.404

Deuteranopia
35, 27.820, 281.477



Tritanopia
35, 7.893, 352.461

Trichromacy



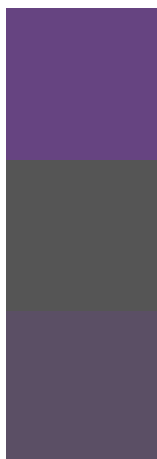
Original Color
35, 39.674, 313.171

Protanomaly
35, 37.418, 294.663

Deuteranomaly
35, 31.231, 294.567

Tritanomaly
35, 18.758, 322.433

Monochromacy



Original Color
35, 39.674, 313.171

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 14.602, 311.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 39.674, 313.171 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(102, 68, 129)` looks like.

```
.text, #text, p{  
    color:rgb(102, 68, 129)  
}
```

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(102, 68, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 68, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 39.674, 313.171 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(102, 68, 129) }
```

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

```
.border{ border-color:rgb(102, 68, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 68, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 68, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 68, 129);  
box-shadow:4px 4px 4px 4px rgb(102, 68,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 39.674, 313.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 68, 129) }
```

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

```
.background{ background-color: rgb(102, 68,  
129) }
```

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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