

Converting Colors

CIELCh(39, 60.353, 306.003)

Have a look what the booklet for
CIELCh(39, 60.353, 306.003)
contains.

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Color

CIELCh(39, 60.589, 306.037)

Conversions

Conversions Part 1

Format	Color
Hex	6649AC
RGB	102, 73, 172
RGB Percent	40%, 29%, 67%
CMY	0.5983, 0.7123, 0.3238
CMYK	0.41, 0.57, 0.00, 0.32
HSL	258°, 40%, 48%
HSV	258°, 57%, 68%
XYZ	15.4223, 10.6589, 40.4899
YIQ	92.9570, -14.4950, 36.9370

Conversions

Conversions Part 2

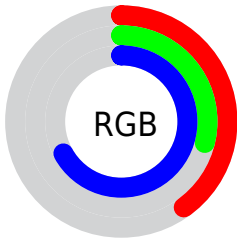
Format	Color
R_{YB}	102, 73, 172
Decimal	6703532
CIE _{Lab}	39.00, 35.64, -48.99
CIE _{LCh}	39, 60.589, 306.037
Yxy	10.6589, 0.2317, 0.1601
Android (android.graphics.Color)	4284893612 (0xFF6649AC)
YUV	92.9570, 38.9682, 7.9307
Hunter-Lab	32.6480, 27.1861, -50.6775

Details

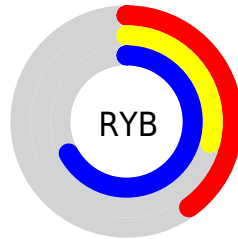
The CIELCh color `39, 60.589, 306.037` is a dark color, and the websafe version is hex `663399`. A complement of this color would be `67, 53.165, 118.431`, and the grayscale version is `39, 0.006, 296.813`.

A 20% lighter version of the original color is `59, 60.340, 305.974`, and `19, 60.628, 306.007` is the 20% darker color. If you saturate the color by 10%, you get `34, 71.453, 306.948`, and if you desaturate by 10%, it is `44, 49.492, 305.102`.

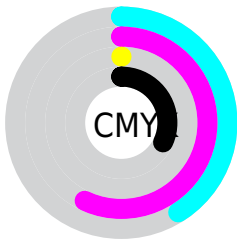
Distribution



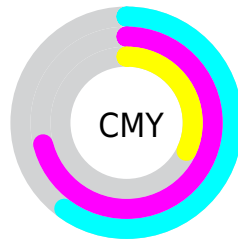
- Red (40%)
- Green (29%)
- Blue (67%)



- Red (40%)
- Yellow (29%)
- Blue (67%)



- Cyan (41%)
- Magenta (57%)
- Yellow (0%)
- Black (32%)





- Cyan (60%)
- Magenta (71%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 60.589, 306.037 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, 60.589, 306.037 by changing the saturation by 10% instead.


 39, 60.589,
306.037


 39, 60.589,
306.037

 100, 60.589,
306.037


 29, 60.589,
306.037

 59, 60.589,
306.037


 19, 60.589,
306.037


 69, 60.589,
306.037

 9, 60.589, 306.037

 79, 60.589,
306.037

 0, 60.589, 306.037

 89, 60.589,
306.037

 99, 60.589,
306.037

■ 39, 60.589,
306.037

■ 39, 60.589,
306.037

■ 34, 71.453,
306.948

■ 44, 49.492,
305.102

■ 30, 81.492,
307.722

■ 50, 38.491,
304.205

■ 26, 89.798,
308.198

■ 55, 27.749,
303.379

■ 23, 95.551,
308.256

■ 61, 17.335,
302.637

■ 23, 96.899,
308.285

■ 66, 7.273, 301.979

■ 72, 2.439, 121.427

■ 77, 11.813,
120.914

■ 83, 20.865,
120.480

■ 88, 29.614,
120.106

Harmonies

Complementary

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



39, 60.589, 306.037



67, 53.165, 118.431

Rectangle

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



39, 60.589, 306.037



39, 60.589, 356.037



39, 60.589, 126.037



39, 60.589, 176.037

Sweetspot

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



39, 60.588, 306.038



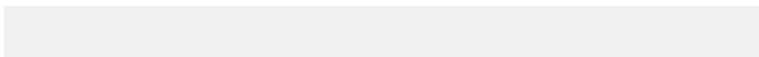
78, 20.923, 302.627



57, 25.638, 237.016



39, 14.024, 302.763



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, 60.588, 306.038



43, 90.521, 307.183



45, 62.122, 320.605



34, 5.572, 302.095



19, 87.534, 308.385



1, 11.524, 299.497

Inverse Universe

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



46, 52.542, 338.515



56, 74.318, 339.870



64, 60.723, 135.042



34, 5.367, 334.604



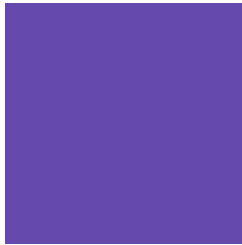
33, 62.729, 344.056



2, 10.555, 337.828

Previews

White Background



This preview shows how the CIELCh color 39, 60.589, 306.037 looks on a white background.

Color Contrast Check

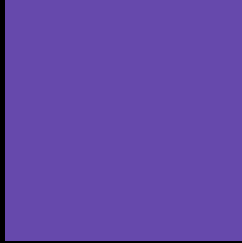
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.589, 306.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

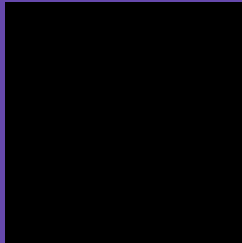
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 60.589, 306.037

Background



This preview shows how black text looks on a background with the CIELCh color 39, 60.589, 306.037.



This preview shows how white text looks on a background with the CIELCh color 39, 60.589, 306.037.

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, 60.589, 306.037

Protanopia

39, 61.180, 286.871

Deuteranopia

39, 45.445, 276.329



Tritanopia
39, 5.064, 257.218

Trichromacy



Original Color
39, 60.589, 306.037

Protanomaly
38, 61.240, 290.597

Deuteranomaly
38, 50.702, 285.690

Tritanomaly
39, 24.729, 298.866

Monochromacy



Original Color
39, 60.589, 306.037

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 22.494, 302.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 60.589, 306.037 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, 73, 172)` looks like.

```
.text, #text, p{  
    color:rgb(102, 73, 172)  
}
```

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, 73, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 73, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 60.589, 306.037 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, 73, 172) }
```

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

```
.border{ border-color:rgb(102, 73, 172) }
```

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

Here you see how a box with a 4 pixel rgb(102, 73, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 73, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 73, 172);  
box-shadow:4px 4px 4px 4px rgb(102, 73,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 60.589, 306.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 73, 172) }
```

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

```
.background{ background-color: rgb(102, 73,  
172) }
```

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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