

Converting Colors

CIELCh(39, 68.897, 333.872)

Have a look what the booklet for
CIELCh(39, 68.897, 333.872)
contains.

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Color

CIELCh(39, 68.705, 333.977)

Conversions

Conversions Part 1

Format	Color
Hex	A2208E
RGB	162, 32, 142
RGB Percent	64%, 13%, 56%
CMY	0.3649, 0.8747, 0.4433
CMYK	0.00, 0.80, 0.12, 0.36
HSL	309°, 67%, 38%
HSV	309°, 80%, 64%
XYZ	20.2865, 10.6589, 26.5641
YIQ	83.4100, 42.1700, 61.7700

Conversions

Conversions Part 2

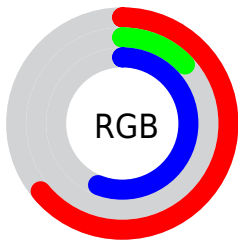
Format	Color
R_{YB}	162, 32, 142
Decimal	10625166
CIE _{Lab}	39.00, 61.74, -30.14
CIE _{LCh}	39, 68.705, 333.977
Yxy	10.6589, 0.3528, 0.1853
Android (android.graphics.Color)	4288815246 (0xFFA2208E)
YUV	83.4100, 28.8849, 68.9234
Hunter-Lab	32.6480, 53.7805, -25.3876

Details

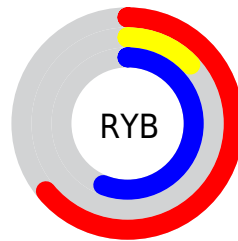
The CIELCh color **39, 68.705, 333.977** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **58, 72.308, 140.537**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 68.675, 333.989**, and **23, 54.537, 334.425** is the 20% darker color. If you saturate the color by 10%, you get **38, 71.687, 334.673**, and if you desaturate by 10%, it is **41, 63.714, 333.318**.

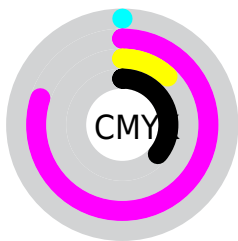
Distribution



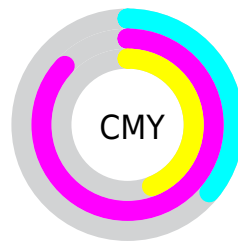
- Red (64%)
- Green (13%)
- Blue (56%)



- Red (64%)
- Yellow (13%)
- Blue (56%)



- Cyan (0%)
- Magenta (80%)
- Yellow (12%)
- Black (36%)




- Cyan (36%)
- Magenta (87%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 68.705, 333.977 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, 68.705, 333.977 by changing the saturation by 10% instead.

 39, 68.705,
333.977

 39, 68.705,
333.977

 100, 68.705,
333.977

 29, 68.705,
333.977

 59, 68.705,
333.977

 19, 68.705,
333.977

 69, 68.705,
333.977

 9, 68.705, 333.977

 79, 68.705,
333.977

 0, 68.705, 333.977

 89, 68.705,
333.977

 99, 68.705,
333.977

■ 39, 68.705,
333.977

■ 39, 68.705,
333.977

■ 38, 71.687,
334.673

■ 41, 63.714,
333.318

■ 37, 73.060,
335.391

■ 43, 56.965,
332.676

■ 47, 48.841,
332.041

■ 50, 39.762,
331.410

■ 54, 30.105,
330.782

■ 58, 20.170,
330.161

■ 62, 10.176,
329.546

■ 66, 0.273, 328.057

Harmonies

Complementary

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



39, 68.705, 333.977



58, 72.308, 140.537

Rectangle

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



39, 68.705, 333.977



39, 68.705, 23.977



39, 68.705, 153.977



39, 68.705, 203.977

Sweetspot

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



39, 68.703, 333.977



72, 29.707, 330.420



25, 81.090, 305.434



37, 20.565, 330.632



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



39, 68.703, 333.977



49, 88.607, 335.238



36, 54.679, 6.992



32, 5.636, 329.484



33, 67.560, 335.315



1, 8.472, 330.331

Inverse Universe

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



39, 68.703, 333.977



49, 88.607, 335.238



59, 47.003, 162.389



32, 5.636, 329.484



33, 67.560, 335.315



1, 8.472, 330.331

Previews

White Background



This preview shows how the CIELCh color 39, 68.705, 333.977 looks on a white background.

Color Contrast Check

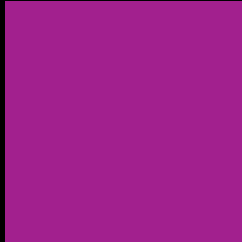
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.705, 333.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

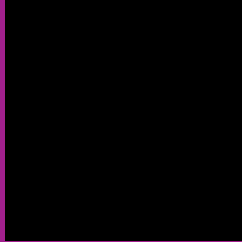
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 68.705, 333.977

Background



This preview shows how black text looks on a background with the CIELCh color 39, 68.705, 333.977.

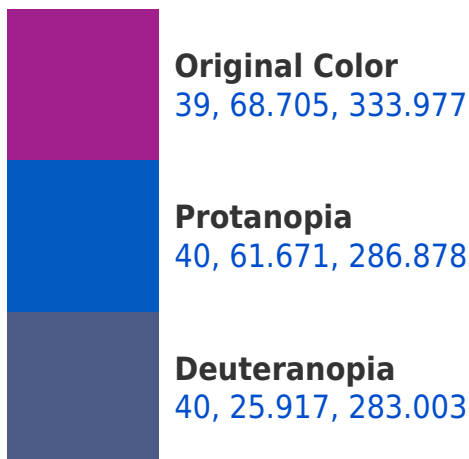


This preview shows how white text looks on a background with the CIELCh color 39, 68.705, 333.977.

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, 42.949, 24.137

Trichromacy



Original Color
39, 68.705, 333.977



Protanomaly
34, 64.305, 297.673



Deuteranomaly
37, 43.168, 313.562



Tritanomaly
39, 47.923, 358.950

Monochromacy



Original Color
39, 68.705, 333.977



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 30.971, 331.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 68.705, 333.977 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(162, 32, 142)` looks like.

```
.text, #text, p{  
    color:rgb(162, 32, 142)  
}
```

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(162, 32, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 32, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 68.705, 333.977 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(162, 32, 142) }
```

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

```
.border{ border-color:rgb(162, 32, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 32, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 32, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 32, 142);  
box-shadow:4px 4px 4px 4px rgb(162, 32,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 68.705, 333.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 32, 142) }
```

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

```
.background{ background-color: rgb(162, 32,  
142) }
```

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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