

Converting Colors

CIELCh(39, 73.873, 315.524)

Have a look what the booklet for
CIELCh(39, 73.873, 315.524)
contains.

CIELCh(39, 73.786, 315.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(39, 73.786, 315.675)

Conversions

Conversions Part 1

Format	Color
Hex	8237B1
RGB	130, 55, 177
RGB Percent	51%, 22%, 69%
CMY	0.4901, 0.7842, 0.3058
CMYK	0.27, 0.69, 0.00, 0.31
HSL	277°, 53%, 46%
HSV	277°, 69%, 69%
XYZ	18.5169, 10.6589, 42.6923
YIQ	91.3330, 5.5380, 53.8420

Conversions

Conversions Part 2

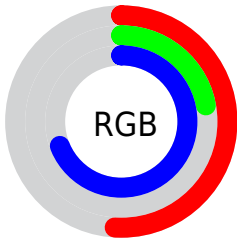
Format	Color
R _Y B	130, 55, 177
Decimal	8533937
CIE Lab	39.00, 52.79, -51.56
CIE LCh	39, 73.786, 315.675
Yxy	10.6589, 0.2577, 0.1483
Android (android.graphics.Color)	4286724017 (0xFF8237B1)
YUV	91.3330, 42.2338, 33.9110
Hunter-Lab	32.6480, 44.1055, -54.6772

Details

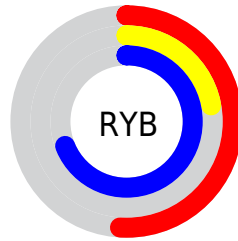
The CIELCh color **39, 73.786, 315.675** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **65, 68.948, 130.025**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 73.265, 315.591**, and **20, 70.861, 315.054** is the 20% darker color. If you saturate the color by 10%, you get **35, 82.033, 315.705**, and if you desaturate by 10%, it is **43, 64.081, 315.447**.

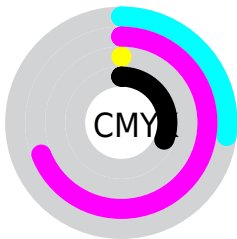
Distribution



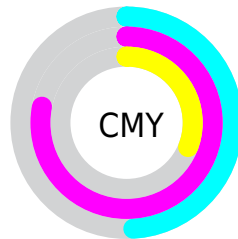
- Red (51%)
- Green (22%)
- Blue (69%)



- Red (51%)
- Yellow (22%)
- Blue (69%)



- Cyan (27%)
- Magenta (69%)
- Yellow (0%)
- Black (31%)





- Cyan (49%)
- Magenta (78%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 73.786, 315.675 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, 73.786, 315.675 by changing the saturation by 10% instead.


 39, 73.786,
315.675


 39, 73.786,
315.675

 100, 73.786,
315.675


 29, 73.786,
315.675

 59, 73.786,
315.675


 19, 73.786,
315.675


 69, 73.786,
315.675

 9, 73.786, 315.675

 79, 73.786,
315.675

 0, 73.786, 315.675

 89, 73.786,
315.675

 99, 73.786,
315.675

39, 73.786,
315.675

39, 73.786,
315.675

35, 82.033,
315.705

43, 64.081,
315.447

33, 88.201,
315.453

48, 53.504,
315.093

31, 92.175,
314.909

52, 42.500,
314.671

30, 92.584,
314.851

57, 31.376,
314.220

62, 20.328,
313.767

68, 9.471, 313.325

73, 1.129, 133.057

78, 11.442,
132.568

■ 83, 21.456,
132.220

Harmonies

Complementary

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



39, 73.786, 315.675



65, 68.948, 130.025

Rectangle

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



39, 73.786, 315.675



39, 73.786, 5.675



39, 73.786, 135.675



39, 73.786, 185.675

Sweetspot

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



39, 73.785, 315.675



78, 27.945, 313.877



44, 44.584, 280.503



39, 18.945, 313.999



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



39, 73.785, 315.675



45, 104.086, 315.607



45, 69.973, 331.147



35, 6.061, 313.343



26, 83.070, 314.975



2, 14.151, 309.195

Inverse Universe

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



43, 52.972, 0.681



51, 73.325, 5.824



64, 71.796, 140.676



35, 4.422, 351.119



32, 57.984, 12.240



2, 10.025, 356.130

Previews

White Background



This preview shows how the CIELCh color 39, 73.786, 315.675 looks on a white background.

Color Contrast Check

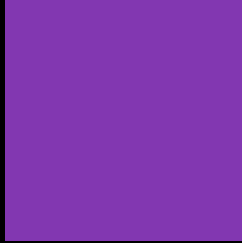
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.786, 315.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

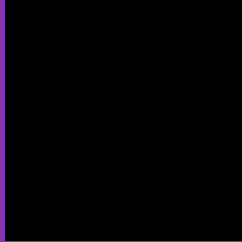
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 73.786, 315.675

Background



This preview shows how black text looks on a background with the CIELCh color 39, 73.786, 315.675.

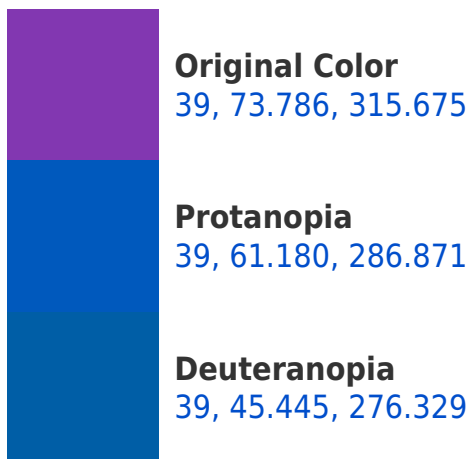


This preview shows how white text looks on a background with the CIELCh color 39, 73.786, 315.675.

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, 13.972, 6.466

Trichromacy



Original Color
39, 73.786, 315.675



Protanomaly
37, 66.150, 294.441



Deuteranomaly
36, 55.506, 290.851



Tritanomaly
38, 34.601, 325.299

Monochromacy



Original Color
39, 73.786, 315.675



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 28.987, 314.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 73.786, 315.675 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(130, 55, 177)` looks like.

```
.text, #text, p{  
    color:rgb(130, 55, 177)  
}
```

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(130, 55, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 55, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 73.786, 315.675 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(130, 55, 177) }
```

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

```
.border{ border-color:rgb(130, 55, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 55, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 55, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 55, 177);  
box-shadow:4px 4px 4px 4px rgb(130, 55,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 73.786, 315.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 55, 177) }
```

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

```
.background{ background-color: rgb(130, 55,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor