

Converting Colors

CIELCh(39, 41.206, 271.813)

Have a look what the booklet for
CIELCh(39, 41.206, 271.813)
contains.

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Color

CIELCh(39, 41.223, 272.065)

Conversions

Conversions Part 1

Format	Color
Hex	005F9F
RGB	0, 95, 159
RGB Percent	0%, 37%, 62%
CMY	1.0000, 0.6279, 0.3770
CMYK	1.00, 0.40, 0.00, 0.38
HSL	204°, 100%, 31%
HSV	204°, 100%, 62%
XYZ	10.3226, 10.6589, 34.2543
YIQ	73.8910, -77.1640, -0.2360

Conversions

Conversions Part 2

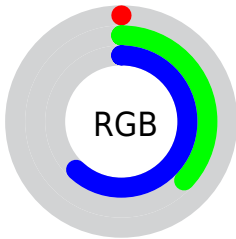
Format	Color
RYB	0, 59, 159
Decimal	24479
CIELab	39.00, 1.49, -41.20
CIELCh	39, 41.223, 272.065
Yxy	10.6589, 0.1869, 0.1930
Android (android.graphics.Color)	4278214559 (0xFF005F9F)
YUV	73.8910, 41.9587, -64.8024
Hunter-Lab	32.6480, -0.6961, -39.3534

Details

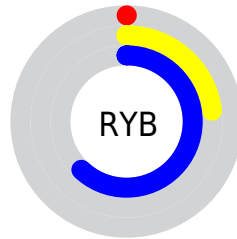
The CIELCh color **39, 41.223, 272.065** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **40, 62.516, 53.777**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 41.136, 272.079**, and **21, 38.634, 284.725** is the 20% darker color. If you saturate the color by 10%, you get **39, 41.216, 272.095**, and if you desaturate by 10%, it is **41, 37.775, 267.379**.

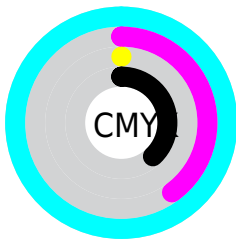
Distribution



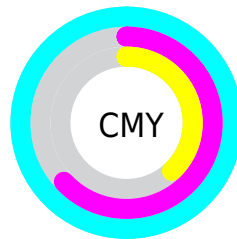
- Red (0%)
- Green (37%)
- Blue (62%)



- Red (0%)
- Yellow (23%)
- Blue (62%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (38%)





- Cyan (100%)
- Magenta (63%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 41.223, 272.065 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, 41.223, 272.065 by changing the saturation by 10% instead.


 39, 41.223,
272.065

 39, 41.223,
272.065

 100, 41.223,
272.065


 29, 41.223,
272.065

 59, 41.223,
272.065


 19, 41.223,
272.065


 69, 41.223,
272.065

 9, 41.223, 272.065

 79, 41.223,
272.065

 0, 41.223, 272.065

 89, 41.223,
272.065

 99, 41.223,
272.065

■ 39, 41.223,
272.065

■ 39, 41.223,
272.065

■ 39, 41.216,
272.095

■ 41, 37.775,
267.379

■ 43, 34.378,
262.864

■ 46, 30.861,
258.882

■ 48, 27.140,
255.475

■ 51, 23.171,
252.616

■ 54, 18.948,
250.247

■ 57, 14.487,
248.296

■ 60, 9.818, 246.696

Harmonies

Complementary

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



39, 41.223, 272.065



40, 62.516, 53.777

Rectangle

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



39, 41.223, 272.065



39, 41.223, 322.065



39, 41.223, 92.065



39, 41.223, 142.065

Sweetspot

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



39, 41.216, 272.095



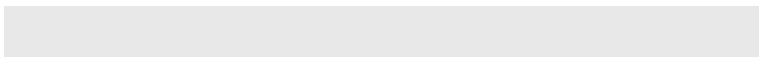
72, 17.921, 248.397



57, 68.378, 144.929



37, 12.233, 249.135



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



39, 41.216, 272.095



50, 50.857, 273.138



19, 88.957, 304.765



32, 2.807, 245.318



35, 37.846, 271.591



2, 3.766, 247.907

Inverse Universe

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



34, 61.406, 352.740



45, 74.368, 353.396



59, 63.460, 96.080



31, 4.598, 339.405



31, 56.889, 352.431



1, 5.833, 340.233

Previews

White Background



This preview shows how the CIE LCh color 39, 41.223, 272.065 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, 41.223, 272.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

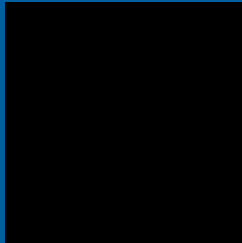
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 41.223, 272.065

Background



This preview shows how black text looks on a background with the CIELCh color 39, 41.223, 272.065.



This preview shows how white text looks on a background with the CIELCh color 39, 41.223, 272.065.

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, 41.223, 272.065

Protanopia

39, 39.329, 285.666

Deuteranopia

39, 41.402, 277.990



Tritanopia
39, 24.755, 206.716

Trichromacy



Original Color
39, 41.223, 272.065

Protanomaly
39, 40.201, 278.101

Deuteranomaly
39, 41.289, 274.948

Tritanomaly
39, 26.416, 238.525

Monochromacy



Original Color
39, 41.223, 272.065

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 17.995, 252.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 41.223, 272.065 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(0, 95, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 159)  
}
```

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(0, 95, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 41.223, 272.065 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(0, 95, 159) }
```

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

```
.border{ border-color:rgb(0, 95, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 95, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 95, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 95, 159)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 41.223, 272.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 159) }
```

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

```
.background{ background-color: rgb(0, 95,  
159) }
```

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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