

Converting Colors

CIELCh(40, 72.007, 299.652)

Have a look what the booklet for
CIELCh(40, 72.007, 299.652)
contains.

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Color

CIELCh(40, 71.599, 299.582)

Conversions

Conversions Part 1

Format	Color
Hex	4F4FC6
RGB	79, 79, 198
RGB Percent	31%, 31%, 78%
CMY	0.6918, 0.6914, 0.2250
CMYK	0.60, 0.60, 0.00, 0.23
HSL	240°, 51%, 54%
HSV	240°, 60%, 77%
XYZ	16.1130, 11.2510, 54.5215
YIQ	92.5660, -38.1990, 37.0090

Conversions

Conversions Part 2

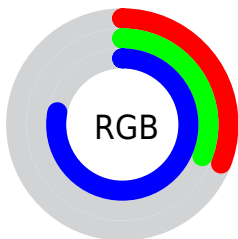
Format	Color
R _Y B	79, 79, 198
Decimal	5197766
CIE Lab	40.00, 35.35, -62.27
CIE LCh	40, 71.599, 299.582
Yxy	11.2510, 0.1968, 0.1374
Android (android.graphics.Color)	4283387846 (0xFF4F4FC6)
YUV	92.5660, 51.9790, -11.8974
Hunter-Lab	33.5425, 27.0477, -72.8930

Details

The CIELCh color **40, 71.599, 299.582** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **78, 59.865, 104.594**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 71.526, 299.733**, and **21, 71.408, 300.477** is the 20% darker color. If you saturate the color by 10%, you get **34, 84.481, 301.795**, and if you desaturate by 10%, it is **46, 58.615, 297.454**.

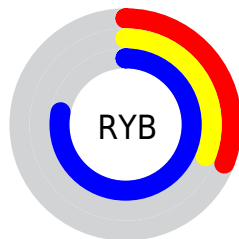
Distribution



Red (31%)

Green (31%)

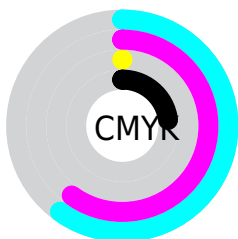
Blue (78%)



Red (31%)

Yellow (31%)

Blue (78%)

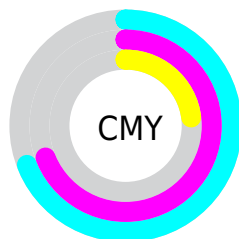


Cyan (60%)

Magenta (60%)

Yellow (0%)

Black (23%)



Cyan (69%)


Magenta (69%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 71.599, 299.582 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 40, 71.599, 299.582 by changing the saturation by 10% instead.


 40, 71.599,
299.582


 40, 71.599,
299.582


 100, 71.599,
299.582


 30, 71.599,
299.582

 60, 71.599,
299.582


 20, 71.599,
299.582

 70, 71.599,
299.582

 10, 71.599,
299.582

 80, 71.599,
299.582

 0, 71.599, 299.582

 90, 71.599,
299.582

 40, 71.599,

 40, 71.599,

299.582

■ 34, 84.481,
301.795

■ 29, 96.250,
303.845

■ 26, 105.221,
305.395

■ 24, 110.415,
306.278

299.582

■ 46, 58.615,
297.454

■ 53, 45.972,
295.532

■ 60, 33.814,
293.857


■ 66, 22.159,
292.423

■ 73, 10.984,
291.207

■ 80, 0.254, 290.420

■ 86, 10.065,
109.285

■ 93, 20.004,
108.541

 99, 28.919,
107.980

Harmonies

Complementary

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



40, 71.599, 299.582



78, 59.865, 104.594

Rectangle

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



40, 71.599, 299.582



40, 71.599, 349.582



40, 71.599, 119.582



40, 71.599, 169.582

Sweetspot

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



40, 71.599, 299.583



85, 24.149, 292.169



73, 34.473, 195.049



43, 16.883, 292.556



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



40, 71.599, 299.583



43, 106.641, 302.411



45, 71.212, 311.601



38, 6.109, 291.114



19, 95.789, 306.276



1, 21.498, 291.726

Inverse Universe

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



50, 53.593, 27.441



58, 80.200, 31.353



74, 64.773, 125.840



39, 4.279, 19.858



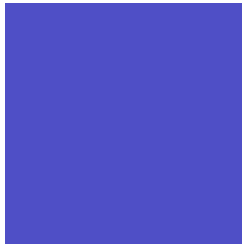
34, 74.612, 39.744



3, 15.885, 19.363

Previews

White Background



This preview shows how the CIE LCh color 40, 71.599, 299.582 looks on a white background.

Color Contrast Check

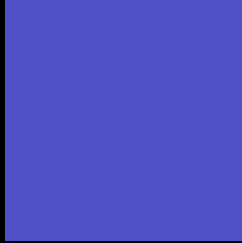
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 71.599, 299.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

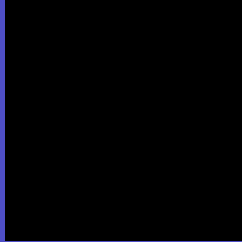
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 71.599, 299.582

Background



This preview shows how black text looks on a background with the CIELCh color 40, 71.599, 299.582.




This preview shows how white text looks on a background with the CIELCh color 40, 71.599, 299.582.

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
40, 20.626, 210.971

Trichromacy



Original Color
40, 71.599, 299.582

Protanomaly
40, 65.029, 290.227

Deuteranomaly
39, 53.489, 284.942

Tritanomaly
39, 30.860, 272.424

Monochromacy



Original Color
40, 71.599, 299.582

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 26.404, 294.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 71.599, 299.582 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(79, 79, 198)` looks like.

```
.text, #text, p{  
    color:rgb(79, 79, 198)  
}
```

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(79, 79, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 79, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 71.599, 299.582 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(79, 79, 198) }
```

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

```
.border{ border-color:rgb(79, 79, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 79, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 79, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 79, 198);  
box-shadow:4px 4px 4px 4px rgb(79, 79,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 71.599, 299.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 79, 198) }
```

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

```
.background{ background-color: rgb(79, 79,  
198) }
```

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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