

Converting Colors

CIELCh(35, 71.132, 303.349)

Have a look what the booklet for
CIELCh(35, 71.132, 303.349)
contains.

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Color

CIELCh(35, 71.132, 303.349)

Conversions

Conversions Part 1

Format	Color
Hex	503FB3
RGB	80, 63, 179
RGB Percent	31%, 25%, 70%
CMY	0.6867, 0.7532, 0.2984
CMYK	0.55, 0.65, 0.00, 0.30
HSL	249°, 48%, 47%
HSV	249°, 65%, 70%
XYZ	13.2003, 8.4984, 43.5435
YIQ	81.3070, -27.1040, 39.6800

Conversions

Conversions Part 2

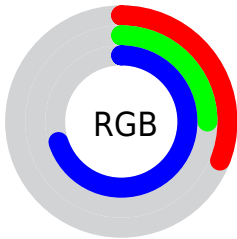
Format	Color
R_{YB}	80, 63, 179
Decimal	5259187
CIE _{Lab}	35.00, 39.10, -59.42
CIE _{LCh}	35, 71.132, 303.349
Yxy	8.4984, 0.2023, 0.1303
Android (android.graphics.Color)	4283449267 (0xFF503FB3)
YUV	81.3070, 48.1626, -1.1462
Hunter-Lab	29.1520, 29.8104, -68.1533

Details

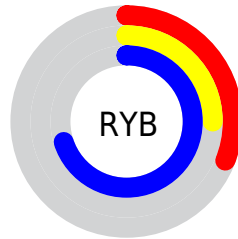
The CIELCh color **35, 71.132, 303.349** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **70, 59.257, 111.498**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 71.181, 303.365**, and **15, 71.026, 303.296** is the 20% darker color. If you saturate the color by 10%, you get **30, 82.346, 304.771**, and if you desaturate by 10%, it is **40, 59.422, 301.880**.

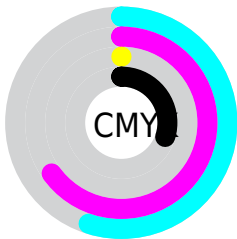
Distribution



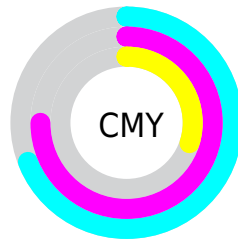
- Red (31%)
- Green (25%)
- Blue (70%)



- Red (31%)
- Yellow (25%)
- Blue (70%)



- Cyan (55%)
- Magenta (65%)
- Yellow (0%)
- Black (30%)





- Cyan (69%)
- Magenta (75%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 71.132, 303.349 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 35, 71.132, 303.349 by changing the saturation by 10% instead.


 35, 71.132,
303.349


 35, 71.132,
303.349

 100, 71.132,
303.349


 25, 71.132,
303.349

 55, 71.132,
303.349


 15, 71.132,
303.349


 65, 71.132,
303.349

 5, 71.132, 303.349

 75, 71.132,
303.349

 0, 71.132, 303.349

 85, 71.132,
303.349

 95, 71.132,
303.349

■ 35, 71.132,
303.349

■ 35, 71.132,
303.349

■ 30, 82.346,
304.771

■ 40, 59.422,
301.880

■ 26, 92.053,
305.939

■ 46, 47.765,
300.482

■ 23, 98.884,
306.607

■ 52, 36.411,
299.215

■ 22, 101.603,
306.878

■ 58, 25.452,
298.096

■ 64, 14.908,
297.122

■ 70, 4.768, 296.283

■ 76, 4.989, 115.557

■ 82, 14.387,
114.938

■ 88, 23.449,
114.405

Harmonies

Complementary

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



35, 71.132, 303.349



70, 59.257, 111.498

Rectangle

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



35, 71.132, 303.349



35, 71.132, 353.349



35, 71.132, 123.349



35, 71.132, 173.349

Sweetspot

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



35, 71.132, 303.350



78, 23.803, 297.542



62, 29.181, 214.669



40, 16.606, 297.821



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



35, 71.132, 303.350



37, 105.656, 305.341



41, 70.587, 316.159



35, 5.624, 296.644



18, 90.439, 306.945



1, 13.371, 294.618

Inverse Universe

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



47, 65.521, 332.704



56, 90.111, 333.625



66, 66.496, 130.659



35, 6.102, 329.247



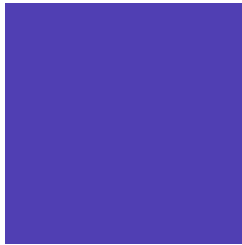
35, 70.502, 334.953



2, 14.020, 330.945

Previews

White Background



This preview shows how the CIE LCh color 35, 71.132, 303.349 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 35, 71.132, 303.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

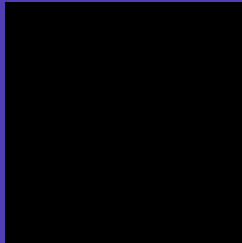
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 71.132, 303.349

Background



This preview shows how black text looks on a background with the CIELCh color 35, 71.132, 303.349.



This preview shows how white text looks on a background with the CIELCh color 35, 71.132, 303.349.

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

35, 71.132, 303.349

Protanopia

35, 55.639, 286.524

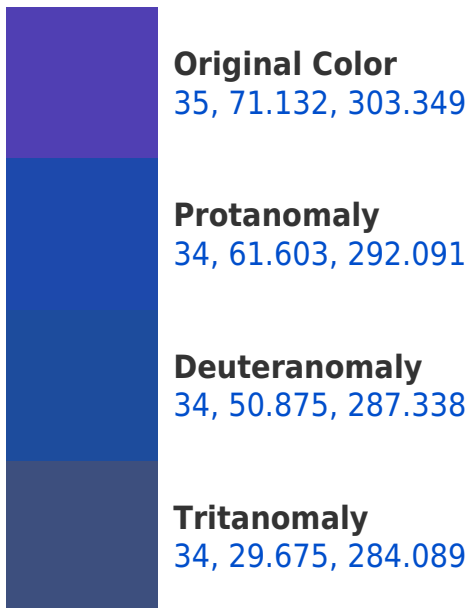
Deuteranopia

35, 39.699, 274.066



Tritanopia
35, 14.103, 215.949

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 71.132, 303.349 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(80, 63, 179)` looks like.

```
.text, #text, p{  
    color:rgb(80, 63, 179)  
}
```

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(80, 63, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 63, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 71.132, 303.349 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(80, 63, 179) }
```

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

```
.border{ border-color:rgb(80, 63, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 63, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 63, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 63, 179);  
box-shadow:4px 4px 4px 4px rgb(80, 63,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 71.132, 303.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 63, 179) }
```

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

```
.background{ background-color: rgb(80, 63,  
179) }
```

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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