

# Converting Colors

CIELCh(35, 71.056, 313.013)

Have a look what the booklet for  
CIELCh(35, 71.056, 313.013)  
contains.

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**Color**

**CIELCh(35, 71.011, 312.873)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F33A7
RGB	111, 51, 167
RGB Percent	44%, 20%, 65%
CMY	0.5655, 0.8008, 0.3459
CMYK	0.34, 0.70, 0.00, 0.35
HSL	271°, 53%, 43%
HSV	271°, 70%, 65%
XYZ	14.6596, 8.4984, 37.3248
YIQ	82.1640, -1.4760, 48.7960

# Conversions

## Conversions Part 2

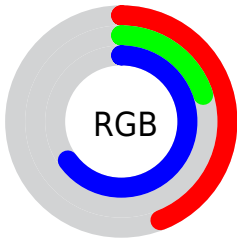
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	111, 51, 167
Decimal	7287719
CIE Lab	35.00, 48.31, -52.04
CIE LCh	35, 71.011, 312.873
Yxy	8.4984, 0.2424, 0.1405
Android (android.graphics.Color)	4285477799 (0xFF6F33A7)
YUV	82.1640, 41.8241, 25.2892
Hunter-Lab	29.1520, 38.7458, -55.5056

# Details

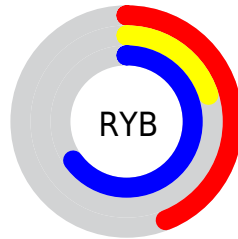
The CIELCh color **35, 71.011, 312.873** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **62, 64.355, 126.903**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 71.046, 312.953**, and **16, 68.705, 312.187** is the 20% darker color. If you saturate the color by 10%, you get **31, 79.362, 313.016**, and if you desaturate by 10%, it is **39, 61.405, 312.530**.

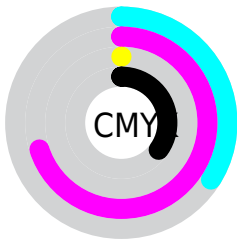
# Distribution



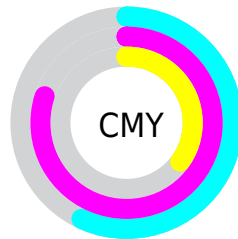
- Red (44%)
- Green (20%)
- Blue (65%)



- Red (44%)
- Yellow (20%)
- Blue (65%)



- Cyan (34%)
- Magenta (70%)
- Yellow (0%)
- Black (35%)




- Cyan (57%)
- Magenta (80%)
- Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 71.011, 312.873 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, 71.011, 312.873 by changing the saturation by 10% instead.





 35, 71.011,  
312.873


 35, 71.011,  
312.873

 100, 71.011,  
312.873


 25, 71.011,  
312.873

 55, 71.011,  
312.873


 15, 71.011,  
312.873


 65, 71.011,  
312.873

 5, 71.011, 312.873

 75, 71.011,  
312.873

 0, 71.011, 312.873

 85, 71.011,  
312.873

 95, 71.011,  
312.873

35, 71.011,  
312.873

35, 71.011,  
312.873

31, 79.362,  
313.016

39, 61.405,  
312.530

28, 85.776,  
312.853

44, 51.124,  
312.073

26, 90.197,  
312.399

49, 40.578,  
311.564

26, 90.399,  
312.382

53, 30.027,  
311.046

58, 19.624,  
310.544

64, 9.455, 310.068

69, 0.441, 129.894

74, 10.045,  
129.269

■ 79, 19.356,  
128.916

# Harmonies

# Complementary

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



35, 71.011, 312.873



62, 64.355, 126.903

# Rectangle

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



35, 71.011, 312.873



35, 71.011, 2.873



35, 71.011, 132.873



35, 71.011, 182.873

# Sweetspot

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



35, 71.010, 312.873



73, 26.165, 310.634



44, 37.624, 272.743



37, 17.910, 310.766



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



35, 71.010, 312.873



40, 100.687, 312.980



43, 71.046, 328.256



33, 5.648, 310.056



23, 82.678, 312.494



1, 10.035, 307.135



# Inverse Universe

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



41, 52.431, 353.560



49, 71.298, 357.566



60, 72.394, 138.637



33, 4.478, 345.312



31, 56.393, 2.785



2, 7.725, 348.464



# Previews

## White Background



This preview shows how the CIELCh color 35, 71.011, 312.873 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, 71.011, 312.873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

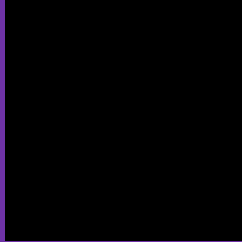
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 35, 71.011, 312.873

## Background



This preview shows how black text looks on a background with the CIELCh color 35, 71.011, 312.873.

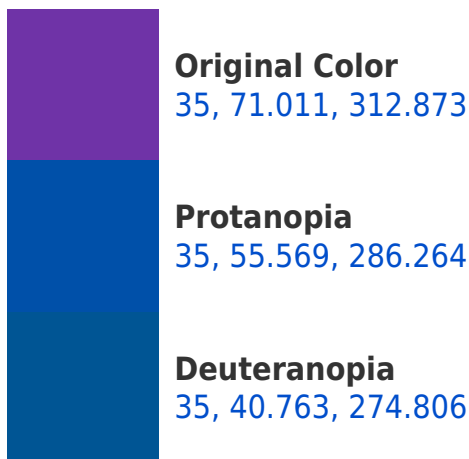


This preview shows how white text looks on a background with the CIELCh color 35, 71.011, 312.873.

# 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**  
35, 8.283, 353.992

# Trichromacy



**Original Color**  
35, 71.011, 312.873

**Protanomaly**  
33, 61.773, 294.299

**Deuteranomaly**  
33, 51.456, 290.150

**Tritanomaly**  
34, 31.280, 317.917

# Monochromacy



**Original Color**  
35, 71.011, 312.873

**Achromatopsia**  
35, 0.005, 296.813

**Achromatomaly**  
34, 27.580, 310.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 35, 71.011, 312.873 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(111, 51, 167)` looks like.

```
.text, #text, p{  
    color:rgb(111, 51, 167)  
}
```

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(111, 51, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 51, 167) }
```

## Border

The CSS property to change the border of an element to CIELCh 35, 71.011, 312.873 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(111, 51, 167) }
```

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

```
.border{ border-color:rgb(111, 51, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 51, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 51, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 51, 167); box-shadow:4px 4px 4px 4px rgb(111, 51, 167) }
```

# Background

The CSS property to change the background color of an element to CIELCh 35, 71.011, 312.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 51, 167) }
```

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

```
.background{ background-color: rgb(111, 51,  
167) }
```

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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