

Converting Colors

CIELCh(35, 71.747, 333.757)

Have a look what the booklet for
CIELCh(35, 71.747, 333.757)
contains.

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Color

CIELCh(35, 71.709, 333.792)

Conversions

Conversions Part 1

Format	Color
Hex	990086
RGB	153, 0, 134
RGB Percent	60%, 0%, 53%
CMY	0.3999, 0.9997, 0.4744
CMYK	0.00, 1.00, 0.12, 0.40
HSL	307°, 100%, 30%
HSV	307°, 100%, 60%
XYZ	17.4477, 8.4984, 23.2843
YIQ	61.0230, 48.1740, 74.1100

Conversions

Conversions Part 2

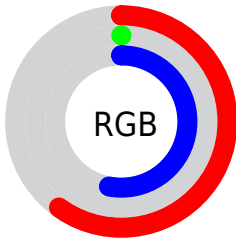
Format	Color
RYB	153, 0, 134
Decimal	10027142
CIELab	35.00, 64.34, -31.67
CIElCh	35, 71.709, 333.792
Yxy	8.4984, 0.3544, 0.1726
Android (android.graphics.Color)	4288217222 (0xFF990086)
YUV	61.0230, 35.9777, 80.6638
Hunter-Lab	29.1520, 55.8178, -26.9498

Details

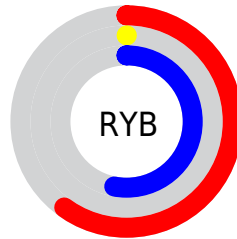
The CIELCh color **35, 71.709, 333.792** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **55, 79.078, 137.416**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 71.893, 333.701**, and **21, 51.579, 333.978** is the 20% darker color. If you saturate the color by 10%, you get **35, 71.715, 333.795**, and if you desaturate by 10%, it is **36, 70.093, 333.214**.

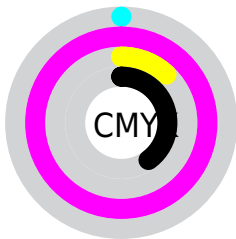
Distribution



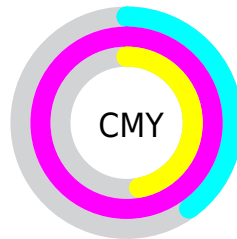
- Red (60%)
- Green (0%)
- Blue (53%)



- Red (60%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 71.709, 333.792 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, 71.709, 333.792 by changing the saturation by 10% instead.


 35, 71.709,
333.792


 35, 71.709,
333.792

 100, 71.709,
333.792


 25, 71.709,
333.792

 55, 71.709,
333.792


 15, 71.709,
333.792


 65, 71.709,
333.792

 5, 71.709, 333.792

 75, 71.709,
333.792

 0, 71.709, 333.792

 85, 71.709,
333.792

 95, 71.709,
333.792

■ 35, 71.709,
333.792

■ 35, 71.709,
333.792

■ 35, 71.715,
333.795

■ 36, 70.093,
333.214

■ 37, 66.980,
332.649

■ 39, 61.967,
332.088

■ 41, 55.291,
331.520

■ 44, 47.318,
330.941

■ 48, 38.444,
330.351

■ 51, 29.024,
329.756

■ 55, 19.341,

329.160

■ 59, 9.603, 328.564

Harmonies

Complementary

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



35, 71.709, 333.792



55, 79.078, 137.416

Rectangle

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



35, 71.709, 333.792



35, 71.709, 23.792



35, 71.709, 153.792



35, 71.709, 203.792

Sweetspot

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



35, 71.707, 333.792



65, 35.993, 329.795



18, 90.674, 306.759



32, 24.443, 330.024



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



35, 71.707, 333.792



46, 86.914, 333.921



32, 57.999, 12.400



30, 5.453, 328.521



32, 67.340, 333.747



1, 5.811, 328.394

Inverse Universe

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



35, 71.707, 333.792



46, 86.914, 333.921



56, 53.068, 156.219



30, 5.453, 328.521



32, 67.340, 333.747



1, 5.811, 328.394

Previews

White Background



This preview shows how the CIELCh color 35, 71.709, 333.792 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 CIE LCh color 35, 71.709, 333.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

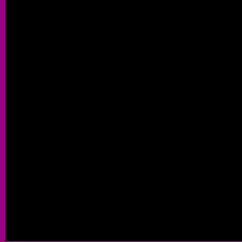
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 71.709, 333.792

Background



This preview shows how black text looks on a background with the CIELCh color 35, 71.709, 333.792.



This preview shows how white text looks on a background with the CIELCh color 35, 71.709, 333.792.

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, 71.709, 333.792

Protanopia

36, 57.144, 286.558

Deuteranopia

36, 25.744, 281.718



Tritanopia
36, 43.836, 25.818

Trichromacy



Original Color
35, 71.709, 333.792



Protanomaly
29, 67.507, 301.563



Deuteranomaly
32, 48.881, 314.922



Tritanomaly
34, 50.592, 358.916

Monochromacy



Original Color
35, 71.709, 333.792



Achromatopsia
26, 0.004, 296.813



Achromatomaly
25, 37.026, 330.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 71.709, 333.792 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(153, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 134)  
}
```

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(153, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 71.709, 333.792 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(153, 0, 134) }
```

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

```
.border{ border-color:rgb(153, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 71.709, 333.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 134) }
```

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

```
.background{ background-color: rgb(153, 0,  
134) }
```

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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