

Converting Colors

CIELCh(35, 99.594, 315.781)

Have a look what the booklet for
CIELCh(35, 99.594, 315.781)
contains.

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Color

CIELCh(35, 99.249, 315.732)

Conversions

Conversions Part 1

Format	Color
Hex	7F00C4
RGB	127, 0, 196
RGB Percent	50%, 0%, 77%
CMY	0.5019, 1.0000, 0.2314
CMYK	0.35, 1.00, 0.00, 0.23
HSL	279°, 100%, 38%
HSV	279°, 100%, 77%
XYZ	18.7176, 8.4984, 52.8807
YIQ	60.3170, 12.7760, 87.8800

Conversions

Conversions Part 2

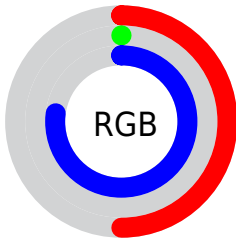
Format	Color
R _Y B	127, 0, 196
Decimal	8323268
CIE Lab	35.00, 71.07, -69.28
CIE LCh	35, 99.249, 315.732
Yxy	8.4984, 0.2337, 0.1061
Android (android.graphics.Color)	4286513348 (0xFF7F00C4)
YUV	60.3170, 66.8917, 58.4810
Hunter-Lab	29.1520, 63.5936, -87.1436

Details

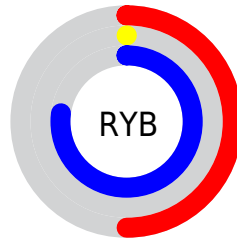
The CIELCh color **35, 99.249, 315.732** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **70, 93.533, 132.161**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.483, 315.734**, and **21, 80.522, 311.593** is the 20% darker color. If you saturate the color by 10%, you get **35, 99.251, 315.732**, and if you desaturate by 10%, it is **37, 95.542, 316.328**.

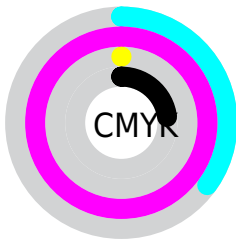
Distribution



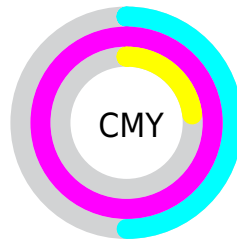
- Red (50%)
- Green (0%)
- Blue (77%)



- Red (50%)
- Yellow (0%)
- Blue (77%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)





- Cyan (50%)
- Magenta (100%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 99.249, 315.732 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, 99.249, 315.732 by changing the saturation by 10% instead.


 35, 99.249,
315.732


 35, 99.249,
315.732

 100, 99.249,
315.732


 25, 99.249,
315.732

 55, 99.249,
315.732


 15, 99.249,
315.732


 65, 99.249,
315.732

 5, 99.249, 315.732

 75, 99.249,
315.732

 0, 99.249, 315.732

 85, 99.249,
315.732

 95, 99.249,
315.732

■ 35, 99.249,
315.732

■ 35, 99.249,
315.732

■ 35, 99.251,
315.732

■ 37, 95.542,
316.328

■ 40, 89.504,
316.647

■ 43, 81.079,
316.679

■ 48, 70.898,
316.501

■ 52, 59.606,
316.184

■ 57, 47.724,
315.786

■ 63, 35.624,
315.350

■ 68, 23.548,

314.904

■ 74, 11.646,
314.463

Harmonies

Complementary

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



35, 99.249, 315.732



70, 93.533, 132.161

Rectangle

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



35, 99.249, 315.732



35, 99.249, 5.732



35, 99.249, 135.732



35, 99.249, 185.732

Sweetspot

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



35, 99.249, 315.732



79, 44.129, 315.371



35, 76.299, 294.787



39, 30.182, 315.561



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 99.249, 315.732



46, 121.123, 315.570



45, 85.368, 334.393



38, 6.540, 314.435



28, 85.556, 315.883



2, 20.886, 310.989

Inverse Universe

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



41, 70.485, 16.529



54, 86.237, 17.495



69, 95.232, 137.307



38, 4.645, 353.268



34, 60.638, 15.636



3, 14.840, 0.790

Previews

White Background



This preview shows how the CIELCh color 35, 99.249, 315.732 looks on a white background.

Color Contrast Check

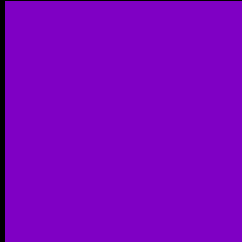
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.249, 315.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

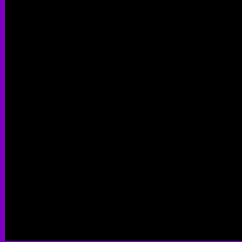
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 99.249, 315.732

Background



This preview shows how black text looks on a background with the CIELCh color 35, 99.249, 315.732.



This preview shows how white text looks on a background with the CIELCh color 35, 99.249, 315.732.

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, 99.249, 315.732

Protanopia

36, 56.003, 286.022

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 13.207, 8.089

Trichromacy



Original Color
35, 99.249, 315.732

Protanomaly
30, 80.097, 301.350

Deuteranomaly
29, 69.254, 299.598

Tritanomaly
32, 49.777, 323.586

Monochromacy



Original Color
35, 99.249, 315.732

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 47.509, 316.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 99.249, 315.732 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(127, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 196)  
}
```

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(127, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 99.249, 315.732 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(127, 0, 196) }
```

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

```
.border{ border-color:rgb(127, 0, 196) }
```

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

Here you see how a box with a 4 pixel rgb(127, 0, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 99.249, 315.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 196) }
```

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

```
.background{ background-color: rgb(127, 0,  
196) }
```

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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