

Converting Colors

CIELCh(35, 100.731, 315.179)

Have a look what the booklet for
CIELCh(35, 100.731, 315.179)
contains.

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Color

CIELCh(35, 100.794, 315.144)

Conversions

Conversions Part 1

Format	Color
Hex	7D00C7
RGB	125, 0, 199
RGB Percent	49%, 0%, 78%
CMY	0.5094, 0.9992, 0.2193
CMYK	0.37, 1.00, 0.00, 0.22
HSL	278°, 100%, 39%
HSV	278°, 100%, 78%
XYZ	18.7912, 8.4984, 54.7339
YIQ	60.0610, 10.6210, 88.3890

Conversions

Conversions Part 2

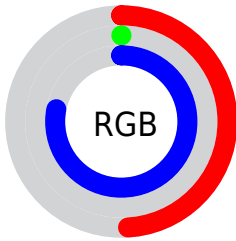
Format	Color
RYB	125, 0, 199
Decimal	8192199
CIELab	35.00, 71.45, -71.09
CIElCh	35, 100.794, 315.144
Yxy	8.4984, 0.2291, 0.1036
Android (android.graphics.Color)	4286382279 (0xFF7D00C7)
YUV	60.0610, 68.4969, 56.9515
Hunter-Lab	29.1520, 64.0439, -90.9127

Details

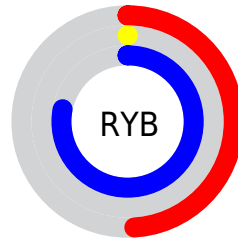
The CIELCh color **35, 100.794, 315.144** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **71, 94.117, 131.718**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 99.975, 315.306**, and **20, 82.311, 310.929** is the 20% darker color. If you saturate the color by 10%, you get **35, 100.830, 315.139**, and if you desaturate by 10%, it is **37, 96.950, 315.750**.

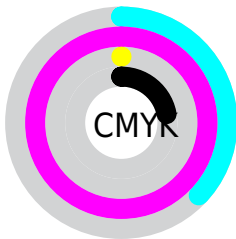
Distribution



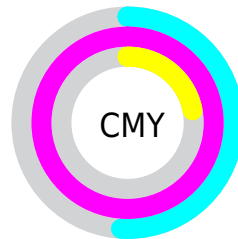
- Red (49%)
- Green (0%)
- Blue (78%)



- Red (49%)
- Yellow (0%)
- Blue (78%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)




- Cyan (51%)
- Magenta (100%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 100.794, 315.144 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, 100.794, 315.144 by changing the saturation by 10% instead.


 35, 100.794,
315.144


 35, 100.794,
315.144


 100, 100.794,
315.144


 25, 100.794,
315.144


 55, 100.794,
315.144


 15, 100.794,
315.144


 65, 100.794,
315.144

 5, 100.794,
315.144

 75, 100.794,
315.144

 0, 100.794,
315.144

 85, 100.794,
315.144

 95, 100.794,
315.144

■ 35, 100.794,
315.144

■ 35, 100.794,
315.144

■ 35, 100.830,
315.139

■ 37, 96.950,
315.750

■ 40, 90.698,
316.065

■ 44, 82.032,
316.085

■ 48, 71.619,
315.891

■ 53, 60.123,
315.559

■ 58, 48.070,
315.149

■ 63, 35.826,
314.703

■ 69, 23.630,

314.251

■ 75, 11.626,
313.806

Harmonies

Complementary

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



35, 100.794, 315.144



71, 94.117, 131.718

Rectangle

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



35, 100.794, 315.144



35, 100.794, 5.144



35, 100.794, 135.144



35, 100.794, 185.144

Sweetspot

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



35, 100.794, 315.144



79, 43.961, 314.728



37, 75.023, 293.727



39, 30.076, 314.920



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, 100.794, 315.144



45, 121.626, 314.983



46, 87.479, 333.522



39, 6.650, 313.784



28, 86.907, 315.292



3, 23.028, 310.897

Inverse Universe

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



42, 70.858, 14.630



54, 85.643, 15.563



70, 96.888, 137.069



39, 4.800, 351.974



34, 61.020, 13.814



4, 16.874, 0.448

Previews

White Background



This preview shows how the CIELCh color 35, 100.794, 315.144 looks on a white background.

Color Contrast Check

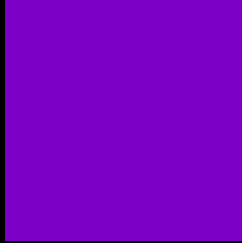
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.794, 315.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

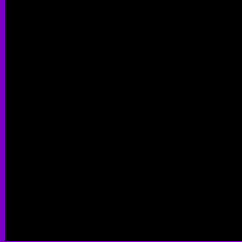
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 100.794, 315.144

Background



This preview shows how black text looks on a background with the CIELCh color 35, 100.794, 315.144.



This preview shows how white text looks on a background with the CIELCh color 35, 100.794, 315.144.

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, 100.794, 315.144

Protanopia

36, 56.003, 286.022

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 11.145, 1.808

Trichromacy



Original Color
35, 100.794, 315.144



Protanomaly
30, 80.673, 301.308



Deuteranomaly
30, 70.418, 299.620



Tritanomaly
32, 50.383, 320.827

Monochromacy



Original Color
35, 100.794, 315.144



Achromatopsia
25, 0.004, 296.813



Achromatomaly
25, 48.601, 316.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 100.794, 315.144 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(125, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 199)  
}
```

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(125, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 100.794, 315.144 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(125, 0, 199) }
```

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

```
.border{ border-color:rgb(125, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 100.794, 315.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 199) }
```

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

```
.background{ background-color: rgb(125, 0,  
199) }
```

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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