

Converting Colors

CIELCh(35, 100.693, 312.044)

Have a look what the booklet for
CIELCh(35, 100.693, 312.044)
contains.

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Color

CIELCh(35, 100.522, 312.098)

Conversions

Conversions Part 1

Format	Color
Hex	7018CD
RGB	112, 24, 205
RGB Percent	44%, 9%, 80%
CMY	0.5609, 0.9061, 0.1962
CMYK	0.45, 0.88, 0.00, 0.20
HSL	269°, 79%, 45%
HSV	269°, 88%, 80%
XYZ	18.0161, 8.4984, 58.4220
YIQ	70.9460, -5.6530, 74.9470

Conversions

Conversions Part 2

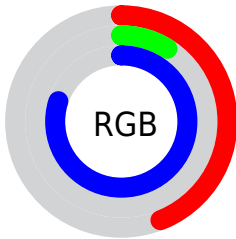
Format	Color
R_{YB}	112, 24, 205
Decimal	7346381
CIE _{Lab}	35.00, 67.39, -74.59
CIE _{LCh}	35, 100.522, 312.098
Yxy	8.4984, 0.2121, 0.1001
Android (android.graphics.Color)	4285536461 (0xFF7018CD)
YUV	70.9460, 66.0886, 36.0044
Hunter-Lab	29.1520, 59.2982, -98.4137

Details

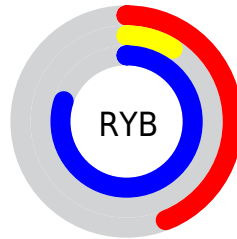
The CIELCh color **35, 100.522, 312.098** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **74, 87.858, 126.507**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 96.291, 312.693**, and **19, 86.573, 308.692** is the 20% darker color. If you saturate the color by 10%, you get **32, 105.496, 311.596**, and if you desaturate by 10%, it is **39, 92.716, 312.214**.

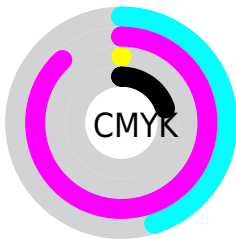
Distribution



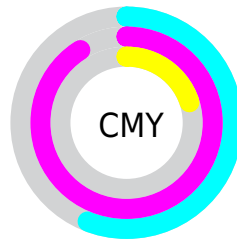
- Red (44%)
- Green (9%)
- Blue (80%)



- Red (44%)
- Yellow (9%)
- Blue (80%)



- Cyan (45%)
- Magenta (88%)
- Yellow (0%)
- Black (20%)





- Cyan (56%)
- Magenta (91%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 100.522, 312.098 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, 100.522, 312.098 by changing the saturation by 10% instead.


 35, 100.522,
312.098


 35, 100.522,
312.098


 100, 100.522,
312.098


 25, 100.522,
312.098


 55, 100.522,
312.098


 15, 100.522,
312.098


 65, 100.522,
312.098

 5, 100.522,
312.098

 75, 100.522,
312.098

 0, 100.522,
312.098

 85, 100.522,
312.098

 95, 100.522,
312.098

■ 35, 100.522,
312.098

■ 35, 100.522,
312.098

■ 32, 105.496,
311.596

■ 39, 92.716,
312.214

■ 32, 106.237,
311.510

■ 43, 82.610,
312.009

■ 48, 71.071,
311.603

■ 54, 58.808,
311.088

■ 59, 46.301,
310.532

■ 65, 33.846,
309.977

■ 71, 21.608,
309.445

■ 77, 9.675, 308.949

Harmonies

Complementary

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



35, 100.522, 312.098



74, 87.858, 126.507

Rectangle

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



35, 100.522, 312.098



35, 100.522, 2.098



35, 100.522, 132.098



35, 100.522, 182.098

Sweetspot

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



35, 100.522, 312.099



81, 37.009, 309.869



49, 52.829, 277.385



41, 25.196, 310.060



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, 100.522, 312.099



40, 125.427, 311.366



49, 95.365, 327.536



40, 6.581, 309.000



25, 90.575, 311.680



2, 24.478, 306.134

Inverse Universe

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



46, 70.439, 356.682



55, 84.806, 1.608



72, 98.205, 136.396



40, 5.361, 343.644



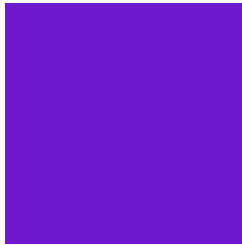
35, 61.590, 0.331



4, 20.061, 352.667

Previews

White Background



This preview shows how the CIE LCh color 35, 100.522, 312.098 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, 100.522, 312.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

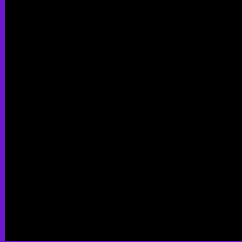
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 100.522, 312.098

Background



This preview shows how black text looks on a background with the CIELCh color 35, 100.522, 312.098.



This preview shows how white text looks on a background with the CIELCh color 35, 100.522, 312.098.

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, 100.522, 312.098

Protanopia

35, 55.569, 286.264

Deuteranopia

35, 39.158, 273.159



Tritanopia
35, 4.396, 296.346

Trichromacy



Original Color
35, 100.522, 312.098

Protanomaly
32, 75.725, 298.918

Deuteranomaly
31, 65.201, 296.552

Tritanomaly
33, 45.149, 310.813

Monochromacy



Original Color
35, 100.522, 312.098

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 43.294, 311.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 100.522, 312.098 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(112, 24, 205)` looks like.

```
.text, #text, p{  
    color:rgb(112, 24, 205)  
}
```

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(112, 24, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 24, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 100.522, 312.098 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(112, 24, 205) }
```

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

```
.border{ border-color:rgb(112, 24, 205) }
```

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

Here you see how a box with a 4 pixel rgb(112, 24, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 24, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 24, 205);  
box-shadow:4px 4px 4px 4px rgb(112, 24,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 100.522, 312.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 24, 205) }
```

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

```
.background{ background-color: rgb(112, 24,  
205) }
```

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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