

Converting Colors

CIELCh(35, 104.163, 312.586)

Have a look what the booklet for
CIELCh(35, 104.163, 312.586)
contains.

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Color

CIELCh(35, 104.365, 312.506)

Conversions

Conversions Part 1

Format	Color
Hex	720ED1
RGB	114, 14, 209
RGB Percent	45%, 5%, 82%
CMY	0.5528, 0.9450, 0.1803
CMYK	0.45, 0.93, 0.00, 0.18
HSL	271°, 87%, 44%
HSV	271°, 93%, 82%
XYZ	18.6108, 8.4984, 60.9947
YIQ	66.1300, -2.9950, 81.8450

Conversions

Conversions Part 2

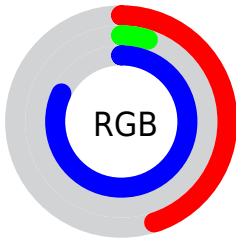
Format	Color
RYB	114, 14, 209
Decimal	7474897
CIELab	35.00, 70.52, -76.94
CIElCh	35, 104.365, 312.506
Yxy	8.4984, 0.2112, 0.0965
Android (android.graphics.Color)	4285664977 (0xFF720ED1)
YUV	66.1300, 70.4349, 41.9820
Hunter-Lab	29.1520, 62.9395, -103.6460

Details

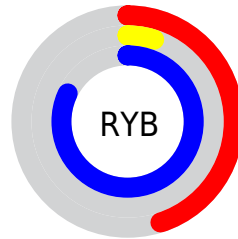
The CIELCh color **35, 104.365, 312.506** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **75, 92.108, 127.872**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 98.248, 313.373**, and **20, 88.320, 308.646** is the 20% darker color. If you saturate the color by 10%, you get **33, 107.207, 312.099**, and if you desaturate by 10%, it is **38, 98.112, 312.866**.

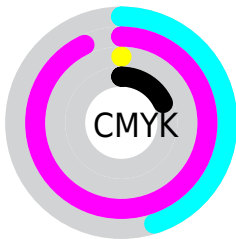
Distribution



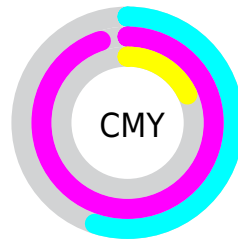
- Red (45%)
- Green (5%)
- Blue (82%)



- Red (45%)
- Yellow (5%)
- Blue (82%)



- Cyan (45%)
- Magenta (93%)
- Yellow (0%)
- Black (18%)





- Cyan (55%)
- Magenta (95%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 104.365, 312.506 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, 104.365, 312.506 by changing the saturation by 10% instead.


 35, 104.365,
312.506


 35, 104.365,
312.506


 100, 104.365,
312.506


 25, 104.365,
312.506


 55, 104.365,
312.506


 15, 104.365,
312.506


 65, 104.365,
312.506

 5, 104.365,
312.506

 75, 104.365,
312.506

 0, 104.365,
312.506

 85, 104.365,
312.506

 95, 104.365,
312.506

■ 35, 104.365,
312.506

■ 35, 104.365,
312.506

■ 33, 107.207,
312.099

■ 38, 98.112,
312.866

■ 42, 89.105,
312.856

■ 47, 78.167,
312.586

■ 52, 66.102,
312.159

■ 58, 53.518,
311.654

■ 64, 40.812,
311.123

■ 70, 28.225,
310.600

■ 76, 15.891,

310.103

■ 82, 3.879, 309.623

Harmonies

Complementary

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



35, 104.365, 312.506



75, 92.108, 127.872

Rectangle

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



35, 104.365, 312.506



35, 104.365, 2.506



35, 104.365, 132.506



35, 104.365, 182.506

Sweetspot

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



35, 104.365, 312.507



80, 40.127, 310.861



47, 58.430, 281.476



40, 27.835, 311.092



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, 104.365, 312.507



41, 124.700, 311.969



50, 98.207, 328.189



41, 6.753, 309.918



26, 91.095, 312.271



3, 26.816, 307.974

Inverse Universe

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



46, 71.928, 0.839



55, 84.512, 4.195



73, 101.551, 136.249



41, 5.375, 345.093



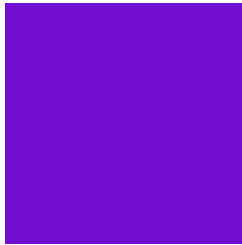
36, 62.000, 2.884



5, 21.687, 354.767

Previews

White Background



This preview shows how the CIE LCh color 35, 104.365, 312.506 looks on a white background.

Color Contrast Check

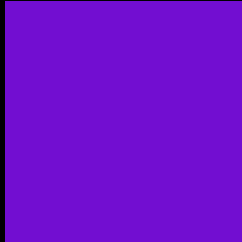
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.365, 312.506 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, 104.365, 312.506

Background



This preview shows how black text looks on a background with the CIELCh color 35, 104.365, 312.506.



This preview shows how white text looks on a background with the CIELCh color 35, 104.365, 312.506.

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, 104.365, 312.506

Protanopia

35, 54.929, 285.724

Deuteranopia

35, 38.626, 272.232



Tritanopia
35, 4.561, 306.871

Trichromacy



Original Color
35, 104.365, 312.506



Protanomaly
31, 78.759, 299.861



Deuteranomaly
31, 67.784, 297.682



Tritanomaly
32, 49.022, 312.258

Monochromacy



Original Color
35, 104.365, 312.506



Achromatopsia
28, 0.004, 296.813



Achromatomaly
27, 46.757, 312.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 104.365, 312.506 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(114, 14, 209)` looks like.

```
.text, #text, p{  
    color:rgb(114, 14, 209)  
}
```

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(114, 14, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 14, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 104.365, 312.506 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(114, 14, 209) }
```

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

```
.border{ border-color:rgb(114, 14, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 14, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 14, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 14, 209);  
box-shadow:4px 4px 4px 4px rgb(114, 14,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 104.365, 312.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 14, 209) }
```

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

```
.background{ background-color: rgb(114, 14,  
209) }
```

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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