

Converting Colors

CIELCh(35, 97.109, 316.259)

Have a look what the booklet for
CIELCh(35, 97.109, 316.259)
contains.

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Color

CIELCh(35, 96.930, 316.237)

Conversions

Conversions Part 1

Format	Color
Hex	8004C0
RGB	128, 4, 192
RGB Percent	50%, 2%, 75%
CMY	0.4971, 0.9862, 0.2462
CMYK	0.33, 0.98, 0.00, 0.25
HSL	280°, 96%, 38%
HSV	280°, 98%, 75%
XYZ	18.5124, 8.4984, 50.6591
YIQ	62.5080, 13.5560, 84.7560

Conversions

Conversions Part 2

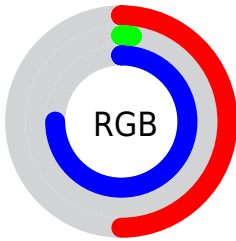
Format	Color
RYB	128, 4, 192
Decimal	8389824
CIELab	35.00, 70.00, -67.04
CIElCh	35, 96.930, 316.237
Yxy	8.4984, 0.2383, 0.1094
Android (android.graphics.Color)	4286579904 (0xFF8004C0)
YUV	62.5080, 63.8396, 57.4365
Hunter-Lab	29.1520, 62.3371, -82.6252

Details

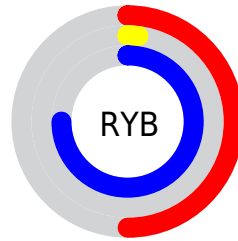
The CIELCh color **35, 96.930, 316.237** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **69, 91.840, 132.296**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 97.168, 316.253**, and **20, 78.363, 312.257** is the 20% darker color. If you saturate the color by 10%, you get **35, 97.556, 316.131**, and if you desaturate by 10%, it is **37, 93.050, 316.796**.

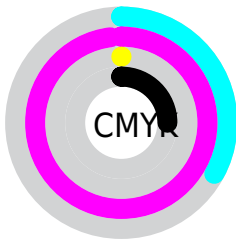
Distribution



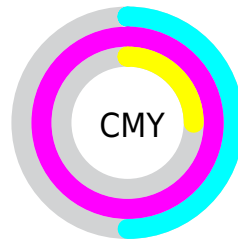
- Red (50%)
- Green (2%)
- Blue (75%)



- Red (50%)
- Yellow (2%)
- Blue (75%)



- Cyan (33%)
- Magenta (98%)
- Yellow (0%)
- Black (25%)





- Cyan (50%)
- Magenta (99%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 96.930, 316.237 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, 96.930, 316.237 by changing the saturation by 10% instead.


 35, 96.930,
316.237


 35, 96.930,
316.237

 100, 96.930,
316.237


 25, 96.930,
316.237

 55, 96.930,
316.237


 15, 96.930,
316.237


 65, 96.930,
316.237

 5, 96.930, 316.237

 75, 96.930,
316.237

 0, 96.930, 316.237

 85, 96.930,
316.237

 95, 96.930,
316.237

■ 35, 96.930,
316.237

■ 35, 96.930,
316.237

■ 35, 97.556,
316.131

■ 37, 93.050,
316.796

■ 40, 86.698,
317.055

■ 43, 78.099,
317.047

■ 48, 67.879,
316.845

■ 52, 56.651,
316.517

■ 57, 44.900,
316.117

■ 63, 32.968,
315.682

■ 68, 21.082,

315.239

■ 73, 9.377, 314.801

Harmonies

Complementary

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



35, 96.930, 316.237



69, 91.840, 132.296

Rectangle

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



35, 96.930, 316.237



35, 96.930, 6.237



35, 96.930, 136.237



35, 96.930, 186.237

Sweetspot

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



35, 96.930, 316.237



79, 42.043, 315.739



34, 75.674, 295.132



39, 28.915, 315.928



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



35, 96.930, 316.237



46, 118.961, 315.969



44, 82.877, 335.150



38, 6.561, 314.854



28, 85.341, 316.265



3, 20.961, 311.516

Inverse Universe

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



41, 69.168, 16.740



53, 85.338, 18.660



68, 92.544, 137.776



38, 4.612, 354.122



34, 60.894, 16.849



3, 14.778, 1.475

Previews

White Background



This preview shows how the CIELCh color 35, 96.930, 316.237 looks on a white background.

Color Contrast Check

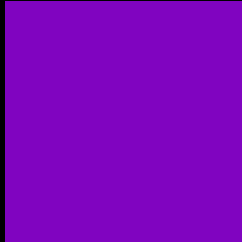
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.930, 316.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

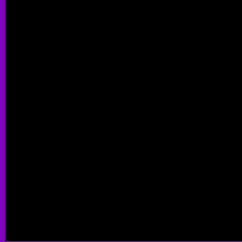
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 96.930, 316.237

Background



This preview shows how black text looks on a background with the CIELCh color 35, 96.930, 316.237.



This preview shows how white text looks on a background with the CIELCh color 35, 96.930, 316.237.

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, 96.786, 316.214

Protanopia

36, 55.433, 285.745

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 15.115, 7.799

Trichromacy



Original Color
35, 96.786, 316.214

Protanomaly
30, 78.352, 301.109

Deuteranomaly
30, 67.339, 299.042

Tritanomaly
32, 48.900, 324.753

Monochromacy



Original Color
35, 96.786, 316.214

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 45.712, 316.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 96.930, 316.237 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(128, 4, 192)` looks like.

```
.text, #text, p{  
    color:rgb(128, 4, 192)  
}
```

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(128, 4, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 4, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 96.930, 316.237 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(128, 4, 192) }
```

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

```
.border{ border-color:rgb(128, 4, 192) }
```

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

Here you see how a box with a 4 pixel rgb(128, 4, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 4, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 4, 192);  
box-shadow:4px 4px 4px 4px rgb(128, 4,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 96.930, 316.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 4, 192) }
```

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

```
.background{ background-color: rgb(128, 4,  
192) }
```

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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