

Converting Colors

CIELCh(35, 93.572, 316.817)

Have a look what the booklet for
CIELCh(35, 93.572, 316.817)
contains.

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Color

CIELCh(35, 93.582, 316.809)

Conversions

Conversions Part 1

Format	Color
Hex	810ABB
RGB	129, 10, 187
RGB Percent	51%, 4%, 73%
CMY	0.4935, 0.9593, 0.2661
CMYK	0.31, 0.94, 0.00, 0.27
HSL	280°, 89%, 39%
HSV	280°, 94%, 73%
XYZ	18.1744, 8.4984, 47.7797
YIQ	65.7590, 14.1070, 80.2750

Conversions

Conversions Part 2

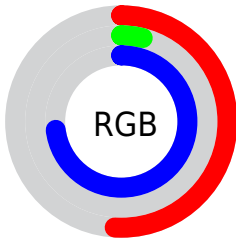
Format	Color
R_{YB}	129, 10, 187
Decimal	8456891
CIE _{Lab}	35.00, 68.23, -64.05
CIE _{LCh}	35, 93.582, 316.809
Yxy	8.4984, 0.2441, 0.1141
Android (android.graphics.Color)	4286646971 (0xFF810ABB)
YUV	65.7590, 59.7718, 55.4624
Hunter-Lab	29.1520, 60.2671, -76.7690

Details

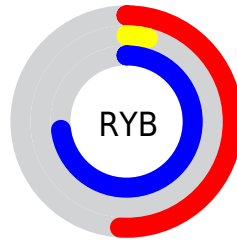
The CIELCh color **35, 93.582, 316.809** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **67, 88.969, 132.239**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 93.460, 316.793**, and **20, 75.708, 313.109** is the 20% darker color. If you saturate the color by 10%, you get **34, 95.417, 316.483**, and if you desaturate by 10%, it is **37, 88.999, 317.260**.

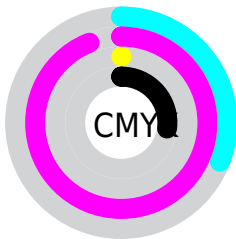
Distribution



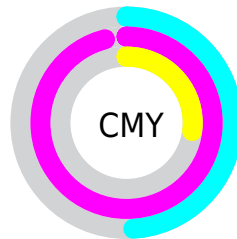
- Red (51%)
- Green (4%)
- Blue (73%)



- Red (51%)
- Yellow (4%)
- Blue (73%)



- Cyan (31%)
- Magenta (94%)
- Yellow (0%)
- Black (27%)





- Cyan (49%)
- Magenta (96%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 93.582, 316.809 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, 93.582, 316.809 by changing the saturation by 10% instead.


 35, 93.582,
316.809


 35, 93.582,
316.809

 100, 93.582,
316.809


 25, 93.582,
316.809

 55, 93.582,
316.809


 15, 93.582,
316.809


 65, 93.582,
316.809

 5, 93.582, 316.809

 75, 93.582,
316.809

 0, 93.582, 316.809

 85, 93.582,
316.809

 95, 93.582,
316.809

■ 35, 93.582,
316.809

■ 35, 93.582,
316.809

■ 34, 95.417,
316.483

■ 37, 88.999,
317.260

■ 40, 81.940,
317.410

■ 44, 72.901,
317.324

■ 48, 62.498,
317.074

■ 53, 51.286,
316.719

■ 58, 39.687,
316.306

■ 63, 27.994,
315.870

■ 68, 16.394,

315.430

■ 74, 5.001, 314.987

Harmonies

Complementary

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



35, 93.582, 316.809



67, 88.969, 132.239

Rectangle

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



35, 93.582, 316.809



35, 93.582, 6.809



35, 93.582, 136.809



35, 93.582, 186.809

Sweetspot

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



35, 93.581, 316.809



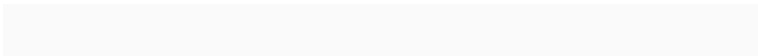
77, 39.644, 316.045



34, 72.947, 294.757



39, 27.661, 316.235



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



35, 93.581, 316.809



45, 115.925, 316.323



43, 79.863, 335.736



37, 6.436, 315.208



28, 84.158, 316.610



2, 18.769, 311.410

Inverse Universe

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



40, 66.848, 15.725



51, 83.707, 19.594



66, 88.421, 138.598



37, 4.484, 354.858



33, 60.402, 17.796



3, 12.955, 1.196

Previews

White Background



This preview shows how the CIELCh color 35, 93.582, 316.809 looks on a white background.

Color Contrast Check

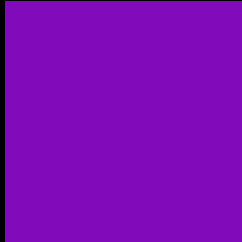
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.582, 316.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

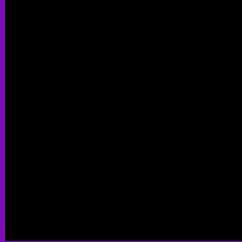
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 93.582, 316.809

Background



This preview shows how black text looks on a background with the CIELCh color 35, 93.582, 316.809.



This preview shows how white text looks on a background with the CIELCh color 35, 93.582, 316.809.

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, 93.582, 316.809

Protanopia

36, 56.072, 286.279

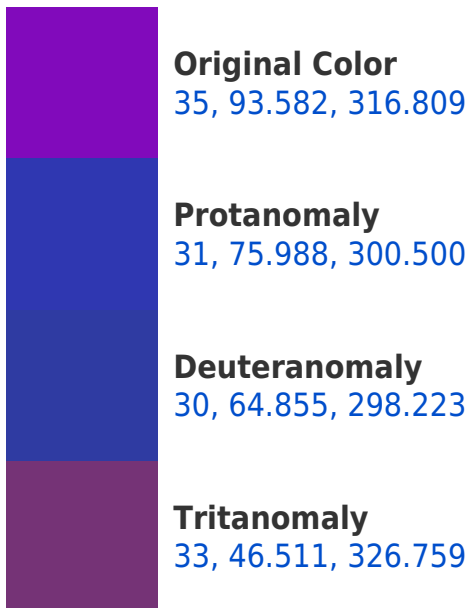
Deuteranopia

36, 40.216, 273.933

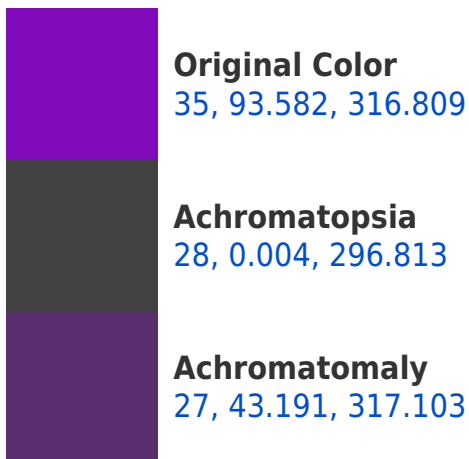


Tritanopia
36, 16.425, 11.381

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 93.582, 316.809 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(129, 10, 187)` looks like.

```
.text, #text, p{  
    color:rgb(129, 10, 187)  
}
```

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(129, 10, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 10, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 93.582, 316.809 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(129, 10, 187) }
```

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

```
.border{ border-color:rgb(129, 10, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 10, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 10, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 10, 187); box-shadow:4px 4px 4px 4px rgb(129, 10, 187) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 93.582, 316.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 10, 187) }
```

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

```
.background{ background-color: rgb(129, 10,  
187) }
```

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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