

Converting Colors

CIELCh(36, 99.888, 316.424)

Have a look what the booklet for
CIELCh(36, 99.888, 316.424)
contains.

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Color

CIELCh(36, 99.540, 316.439)

Conversions

Conversions Part 1

Format	Color
Hex	8500C6
RGB	133, 0, 198
RGB Percent	52%, 0%, 78%
CMY	0.4796, 1.0000, 0.2247
CMYK	0.33, 1.00, 0.00, 0.22
HSL	280°, 100%, 39%
HSV	280°, 100%, 78%
XYZ	19.7736, 9.0082, 53.9396
YIQ	62.3390, 15.7100, 89.7740

Conversions

Conversions Part 2

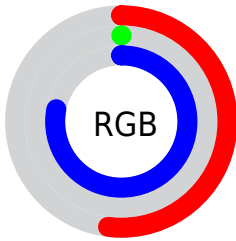
Format	Color
R_{YB}	133, 0, 198
Decimal	8716486
CIE Lab	36.00, 72.13, -68.60
CIE LCh	36, 99.540, 316.439
Yxy	9.0082, 0.2390, 0.1089
Android (android.graphics.Color)	4286906566 (0xFF8500C6)
YUV	62.3390, 66.8809, 61.9697
Hunter-Lab	30.0136, 65.0758, -85.5449

Details

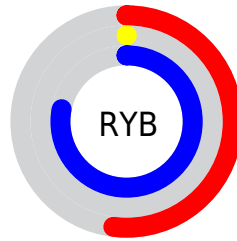
The CIELCh color **36, 99.540, 316.439** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **70, 94.693, 132.657**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 98.968, 316.503**, and **22, 80.641, 312.534** is the 20% darker color. If you saturate the color by 10%, you get **36, 99.436, 316.423**, and if you desaturate by 10%, it is **38, 95.861, 317.012**.

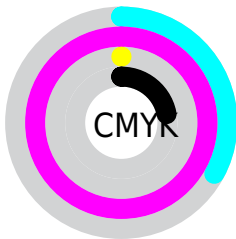
Distribution



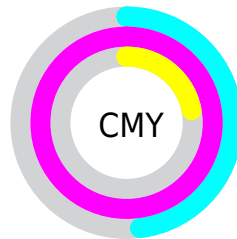
- Red (52%)
- Green (0%)
- Blue (78%)



- Red (52%)
- Yellow (0%)
- Blue (78%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)





- Cyan (48%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 99.540, 316.439 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 36, 99.540, 316.439 by changing the saturation by 10% instead.

 36, 99.540,
316.439


 36, 99.540,
316.439

 100, 99.540,
316.439


 26, 99.540,
316.439

 56, 99.540,
316.439


 16, 99.540,
316.439


 66, 99.540,
316.439

 6, 99.540, 316.439

 76, 99.540,
316.439

 0, 99.540, 316.439

 86, 99.540,
316.439

 96, 99.540,
316.439

■ 36, 99.540,
316.439

■ 36, 99.540,
316.439

■ 36, 99.436,
316.423

■ 38, 95.861,
317.012

■ 41, 89.951,
317.333

■ 44, 81.625,
317.376

■ 48, 71.491,
317.212

■ 53, 60.189,
316.909

■ 58, 48.246,
316.522

■ 63, 36.046,
316.094

■ 69, 23.845,

315.653

■ 74, 11.801,
315.214

Harmonies

Complementary

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



36, 99.540, 316.439



70, 94.693, 132.657

Rectangle

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



36, 99.540, 316.439



36, 99.540, 6.439



36, 99.540, 136.439



36, 99.540, 186.439

Sweetspot

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



36, 99.436, 316.423



80, 44.331, 316.114



34, 81.156, 296.772



40, 30.310, 316.300



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 99.436, 316.423



47, 120.556, 316.272



45, 83.731, 336.238



39, 6.721, 315.187



29, 86.173, 316.562



3, 23.323, 312.711

Inverse Universe

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



42, 71.573, 18.755



54, 87.065, 19.697



70, 94.627, 137.840



39, 4.686, 354.815



34, 61.853, 17.886



4, 16.646, 2.762

Previews

White Background



This preview shows how the CIELCh color 36, 99.540, 316.439 looks on a white background.

Color Contrast Check

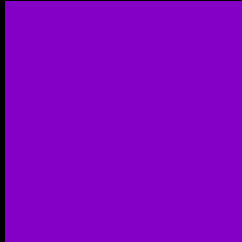
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 99.540, 316.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

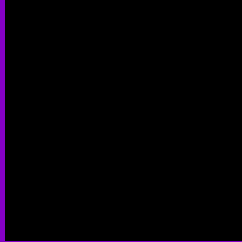
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 99.540, 316.439

Background



This preview shows how black text looks on a background with the CIELCh color 36, 99.540, 316.439.



This preview shows how white text looks on a background with the CIELCh color 36, 99.540, 316.439.

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


36, 99.540, 316.439

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 15.928, 8.699

Trichromacy



Original Color
36, 99.540, 316.439



Protanomaly
31, 81.601, 301.501



Deuteranomaly
30, 70.173, 299.547



Tritanomaly
33, 51.225, 325.343

Monochromacy



Original Color
36, 99.540, 316.439



Achromatopsia
26, 0.004, 296.813



Achromatomaly
26, 48.106, 317.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 99.540, 316.439 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(133, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 198)  
}
```

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(133, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 99.540, 316.439 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(133, 0, 198) }
```

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

```
.border{ border-color:rgb(133, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 99.540, 316.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 198) }
```

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

```
.background{ background-color: rgb(133, 0,  
198) }
```

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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