

Converting Colors

CIELCh(36, 96.940, 315.522)

Have a look what the booklet for
CIELCh(36, 96.940, 315.522)
contains.

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Color

CIELCh(36, 97.123, 315.546)

Conversions

Conversions Part 1

Format	Color
Hex	810FC5
RGB	129, 15, 197
RGB Percent	51%, 6%, 77%
CMY	0.4954, 0.9398, 0.2287
CMYK	0.35, 0.92, 0.00, 0.23
HSL	277°, 86%, 42%
HSV	277°, 92%, 77%
XYZ	19.2176, 9.0082, 53.3519
YIQ	69.8340, 9.5220, 80.7700

Conversions

Conversions Part 2

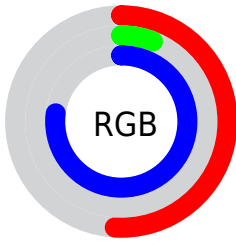
Format	Color
R_{YB}	129, 15, 197
Decimal	8458181
CIE _{Lab}	36.00, 69.33, -68.02
CIE _{LCh}	36, 97.123, 315.546
Yxy	9.0082, 0.2356, 0.1104
Android (android.graphics.Color)	4286648261 (0xFF810FC5)
YUV	69.8340, 62.6928, 51.8886
Hunter-Lab	30.0136, 61.7693, -84.3839

Details

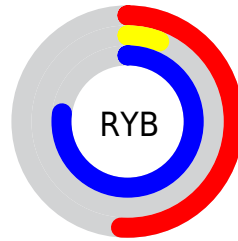
The CIELCh color **36, 97.123, 315.546** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **71, 90.425, 130.980**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 97.605, 315.622**, and **21, 80.640, 311.977** is the 20% darker color. If you saturate the color by 10%, you get **34, 99.972, 315.060**, and if you desaturate by 10%, it is **39, 91.511, 315.935**.

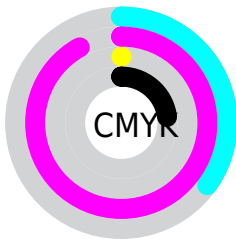
Distribution



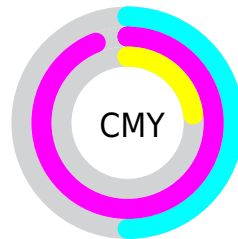
- Red (51%)
- Green (6%)
- Blue (77%)



- Red (51%)
- Yellow (6%)
- Blue (77%)



- Cyan (35%)
- Magenta (92%)
- Yellow (0%)
- Black (23%)





- Cyan (50%)
- Magenta (94%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 97.123, 315.546 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, 97.123, 315.546 by changing the saturation by 10% instead.


 36, 97.123,
315.546


 36, 97.123,
315.546

 100, 97.123,
315.546


 26, 97.123,
315.546

 56, 97.123,
315.546


 16, 97.123,
315.546


 66, 97.123,
315.546

 6, 97.123, 315.546

 76, 97.123,
315.546

 0, 97.123, 315.546

 86, 97.123,
315.546

 96, 97.123,
315.546

■ 36, 97.123,
315.546

■ 36, 97.123,
315.546

■ 34, 99.972,
315.060

■ 39, 91.511,
315.935

■ 42, 83.391,
316.012

■ 46, 73.392,
315.857

■ 51, 62.189,
315.548

■ 56, 50.338,
315.149

■ 61, 38.234,
314.708

■ 67, 26.137,
314.254

■ 73, 14.206,

313.807

■ 78, 2.532, 313.337

Harmonies

Complementary

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



36, 97.123, 315.546



71, 90.425, 130.980

Rectangle

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



36, 97.123, 315.546



36, 97.123, 5.546



36, 97.123, 135.546



36, 97.123, 185.546

Sweetspot

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



36, 97.123, 315.546



81, 40.942, 314.537



39, 68.064, 290.787



40, 28.356, 314.736



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, 97.123, 315.546



45, 121.704, 314.895



46, 85.722, 333.084



39, 6.645, 313.683



28, 86.960, 315.205



3, 23.008, 310.771

Inverse Universe

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



42, 68.125, 10.431



54, 85.562, 15.266



69, 93.017, 137.879



39, 4.808, 351.778



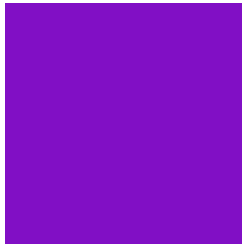
34, 60.975, 13.522



4, 16.892, 0.280

Previews

White Background



This preview shows how the CIELCh color 36, 97.123, 315.546 looks on a white background.

Color Contrast Check

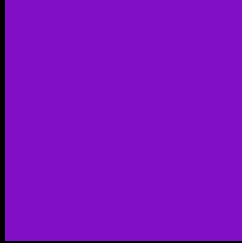
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.123, 315.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

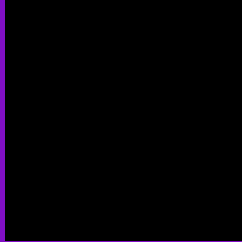
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 97.123, 315.546

Background



This preview shows how black text looks on a background with the CIELCh color 36, 97.123, 315.546.



This preview shows how white text looks on a background with the CIELCh color 36, 97.123, 315.546.

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, 97.305, 315.576

Protanopia
37, 57.074, 286.307

Deuteranopia
36, 40.730, 273.805



Tritanopia
36, 13.279, 5.453

Trichromacy



Original Color
36, 97.305, 315.576



Protanomaly
32, 77.417, 300.095



Deuteranomaly
32, 66.323, 297.770



Tritanomaly
34, 47.237, 322.812

Monochromacy



Original Color
36, 97.305, 315.576



Achromatopsia
30, 0.005, 296.813



Achromatomaly
29, 43.967, 315.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 97.123, 315.546 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, 15, 197)` looks like.

```
.text, #text, p{  
    color:rgb(129, 15, 197)  
}
```

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, 15, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 15, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 97.123, 315.546 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, 15, 197) }
```

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

```
.border{ border-color:rgb(129, 15, 197) }
```

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

Here you see how a box with a 4 pixel rgb(129, 15, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 15, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 15, 197);  
box-shadow:4px 4px 4px 4px rgb(129, 15,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 97.123, 315.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 15, 197) }
```

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

```
.background{ background-color: rgb(129, 15,  
197) }
```

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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