

Converting Colors

CIELCh(36, 98.033, 317.327)

Have a look what the booklet for
CIELCh(36, 98.033, 317.327)
contains.

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Color

CIELCh(36, 97.576, 317.202)

Conversions

Conversions Part 1

Format	Color
Hex	8700C2
RGB	135, 0, 194
RGB Percent	53%, 0%, 76%
CMY	0.4714, 1.0000, 0.2400
CMYK	0.30, 1.00, 0.00, 0.24
HSL	282°, 100%, 38%
HSV	282°, 100%, 76%
XYZ	19.6669, 9.0082, 51.6208
YIQ	62.4810, 18.1860, 88.9540

Conversions

Conversions Part 2

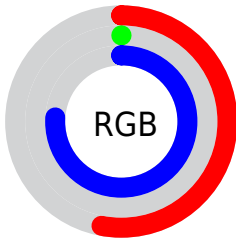
Format	Color
R_{YB}	135, 0, 194
Decimal	8847554
CIE _{Lab}	36.00, 71.60, -66.29
CIE _{LCh}	36, 97.576, 317.202
Yxy	9.0082, 0.2449, 0.1122
Android (android.graphics.Color)	4287037634 (0xFF8700C2)
YUV	62.4810, 64.8389, 63.5992
Hunter-Lab	30.0136, 64.4410, -80.9642

Details

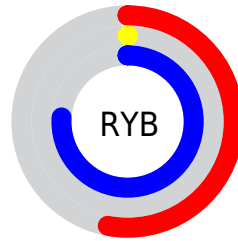
The CIELCh color **36, 97.576, 317.202** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **69, 93.809, 133.111**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 97.586, 317.179**, and **22, 78.488, 313.273** is the 20% darker color. If you saturate the color by 10%, you get **36, 97.505, 317.192**, and if you desaturate by 10%, it is **38, 94.075, 317.756**.

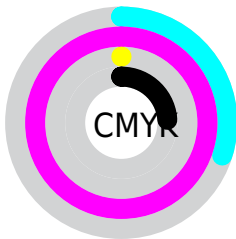
Distribution



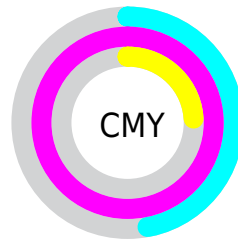
- Red (53%)
- Green (0%)
- Blue (76%)



- Red (53%)
- Yellow (0%)
- Blue (76%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)





- Cyan (47%)
- Magenta (100%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 97.576, 317.202 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, 97.576, 317.202 by changing the saturation by 10% instead.


 36, 97.576,
317.202


 36, 97.576,
317.202

 100, 97.576,
317.202


 26, 97.576,
317.202

 56, 97.576,
317.202


 16, 97.576,
317.202


 66, 97.576,
317.202

 6, 97.576, 317.202

 76, 97.576,
317.202

 0, 97.576, 317.202

 86, 97.576,
317.202

 96, 97.576,
317.202

■ 36, 97.576,
317.202

■ 36, 97.576,
317.202

■ 36, 97.505,
317.192

■ 38, 94.075,
317.756

■ 40, 88.388,
318.068

■ 44, 80.325,
318.113

■ 48, 70.457,
317.958

■ 52, 59.396,
317.666

■ 57, 47.663,
317.289

■ 62, 35.642,
316.868

■ 67, 23.594,

316.430

■ 73, 11.683,
315.992

Harmonies

Complementary

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



36, 97.576, 317.202



69, 93.809, 133.111

Rectangle

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



36, 97.576, 317.202



36, 97.576, 7.202



36, 97.576, 137.202



36, 97.576, 187.202

Sweetspot

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



36, 97.505, 317.192



79, 44.189, 316.888



32, 81.944, 297.622



40, 30.448, 317.073



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, 97.505, 317.192



47, 119.068, 317.040



44, 81.470, 337.194



38, 6.619, 315.964



29, 84.785, 317.324



3, 21.180, 312.956

Inverse Universe

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



41, 71.253, 20.915



53, 87.404, 21.915



68, 92.495, 138.171



38, 4.529, 356.474



33, 61.733, 20.042



3, 14.632, 3.255

Previews

White Background



This preview shows how the CIELCh color 36, 97.576, 317.202 looks on a white background.

Color Contrast Check

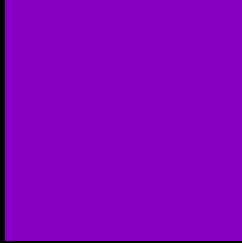
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.576, 317.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

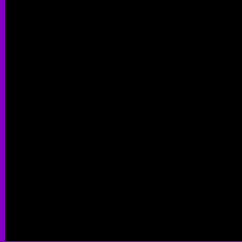
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 97.576, 317.202

Background



This preview shows how black text looks on a background with the CIELCh color 36, 97.576, 317.202.



This preview shows how white text looks on a background with the CIELCh color 36, 97.576, 317.202.

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, 97.576, 317.202

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 17.698, 12.391

Trichromacy



Original Color
36, 97.576, 317.202

Protanomaly
31, 80.481, 301.504

Deuteranomaly
30, 69.579, 299.605

Tritanomaly
33, 50.586, 327.369

Monochromacy



Original Color
36, 97.576, 317.202

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 47.570, 317.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 97.576, 317.202 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(135, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 194)  
}
```

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(135, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 97.576, 317.202 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(135, 0, 194) }
```

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

```
.border{ border-color:rgb(135, 0, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 0, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 97.576, 317.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 194) }
```

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

```
.background{ background-color: rgb(135, 0,  
194) }
```

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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