

Converting Colors

CIELCh(30, 82.398, 335.699)

Have a look what the booklet for
CIELCh(30, 82.398, 335.699)
contains.

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Color

CIELCh(34, 68.490, 336.357)

Conversions

Conversions Part 1

Format	Color
Hex	97007D
RGB	151, 0, 125
RGB Percent	59%, 0%, 49%
CMY	0.4090, 1.0000, 0.5109
CMYK	0.00, 1.00, 0.17, 0.41
HSL	310°, 100%, 30%
HSV	310°, 100%, 59%
XYZ	16.3822, 8.0082, 19.9918
YIQ	59.3990, 49.8710, 70.8870

Conversions

Conversions Part 2

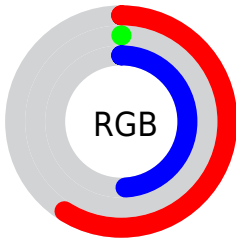
Format	Color
R_{YB}	151, 0, 125
Decimal	9896061
CIE _{Lab}	34.00, 62.74, -27.47
CIE _{LCh}	34, 68.490, 336.357
Yxy	8.0082, 0.3691, 0.1804
Android (android.graphics.Color)	4288086141 (0xFF97007D)
YUV	59.3990, 32.3413, 80.3341
Hunter-Lab	28.2988, 53.8111, -22.0765

Details

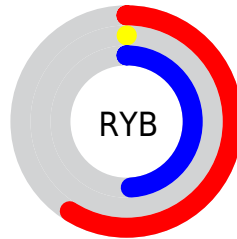
The CIELCh color **34, 68.490, 336.357** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **54, 76.632, 138.263**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 68.578, 336.389**, and **20, 48.496, 337.405** is the 20% darker color. If you saturate the color by 10%, you get **34, 68.382, 336.364**, and if you desaturate by 10%, it is **35, 66.946, 335.536**.

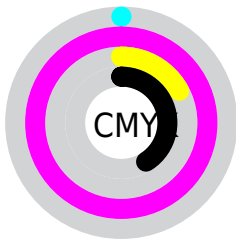
Distribution



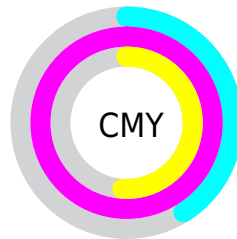
- Red (59%)
- Green (0%)
- Blue (49%)



- Red (59%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (41%)



- Cyan (41%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 68.490, 336.357 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 34, 68.490, 336.357 by changing the saturation by 10% instead.


 34, 68.490,
336.357

 34, 68.490,
336.357

 100, 68.490,
336.357

 24, 68.490,
336.357

 54, 68.490,
336.357

 14, 68.490,
336.357

 64, 68.490,
336.357

 4, 68.490, 336.357

 74, 68.490,
336.357

 0, 68.490, 336.357

 84, 68.490,
336.357

 94, 68.490,
336.357

■ 34, 68.490,
336.357

■ 34, 68.490,
336.357

■ 34, 68.382,
336.364

■ 35, 66.946,
335.536

■ 36, 64.055,
334.765

■ 38, 59.298,
334.049

■ 41, 52.919,
333.365

■ 43, 45.287,
332.699

■ 47, 36.791,
332.045

■ 50, 27.778,
331.402

■ 54, 18.520,

330.771

■ 58, 9.218, 330.147

Harmonies

Complementary

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



34, 68.490, 336.357



54, 76.632, 138.263

Rectangle

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



34, 68.490, 336.357



34, 68.490, 26.357



34, 68.490, 156.357



34, 68.490, 206.357

Sweetspot

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



34, 68.382, 336.364



64, 34.458, 331.441



18, 89.236, 307.096



32, 23.652, 331.689



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



34, 68.382, 336.364



45, 82.949, 336.561



31, 58.147, 17.061



30, 5.272, 330.099



31, 64.943, 336.303



1, 5.610, 330.034

Inverse Universe

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



34, 68.382, 336.364



45, 82.949, 336.561



55, 49.414, 159.696



30, 5.272, 330.099



31, 64.943, 336.303



1, 5.610, 330.034

Previews

White Background



This preview shows how the CIELCh color 34, 68.490, 336.357 looks on a white background.

Color Contrast Check

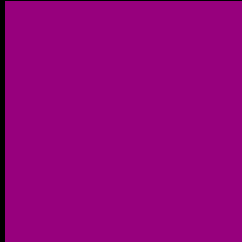
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 68.490, 336.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

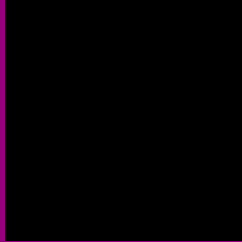
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 68.490, 336.357

Background



This preview shows how black text looks on a background with the CIELCh color 34, 68.490, 336.357.

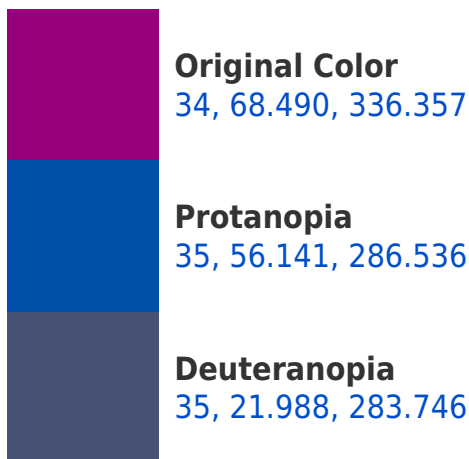


This preview shows how white text looks on a background with the CIELCh color 34, 68.490, 336.357.

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





Tritanopia
35, 45.041, 26.495

Trichromacy



Original Color
34, 68.490, 336.357

Protanomaly
28, 65.321, 301.472

Deuteranomaly
31, 45.375, 318.129

Tritanomaly
33, 50.125, 1.421

Monochromacy



Original Color
34, 68.490, 336.357

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 35.103, 332.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 68.490, 336.357 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(151, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 125)  
}
```

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(151, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 68.490, 336.357 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(151, 0, 125) }
```

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

```
.border{ border-color:rgb(151, 0, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 0, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(151, 0,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 68.490, 336.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 125) }
```

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

```
.background{ background-color: rgb(151, 0,  
125) }
```

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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