

Converting Colors

CIELCh(34, 83.993, 321.746)

Have a look what the booklet for
CIELCh(34, 83.993, 321.746)
contains.

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Color

CIELCh(34, 83.824, 321.746)

Conversions

Conversions Part 1

Format	Color
Hex	8803A4
RGB	136, 3, 164
RGB Percent	53%, 1%, 64%
CMY	0.4660, 0.9866, 0.3562
CMYK	0.17, 0.98, 0.00, 0.36
HSL	290°, 96%, 33%
HSV	290°, 98%, 64%
XYZ	16.9329, 8.0082, 35.8519
YIQ	61.1210, 27.5870, 78.2670

Conversions

Conversions Part 2

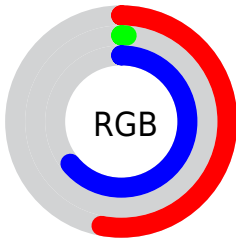
Format	Color
RYB	136, 3, 164
Decimal	8913828
CIELab	34.00, 65.82, -51.90
CIElCh	34, 83.824, 321.746
Yxy	8.0082, 0.2785, 0.1317
Android (android.graphics.Color)	4287103908 (0xFF8803A4)
YUV	61.1210, 50.7193, 65.6689
Hunter-Lab	28.2988, 57.2848, -55.3056

Details

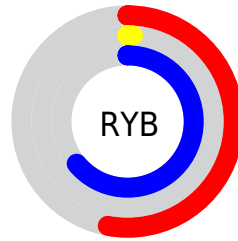
The CIELCh color **34, 83.824, 321.746** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **59, 84.192, 134.864**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 84.091, 321.652**, and **19, 64.483, 318.435** is the 20% darker color. If you saturate the color by 10%, you get **34, 84.379, 321.678**, and if you desaturate by 10%, it is **35, 80.840, 322.063**.

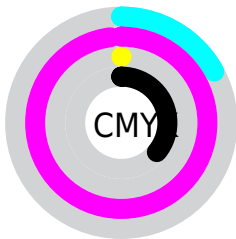
Distribution



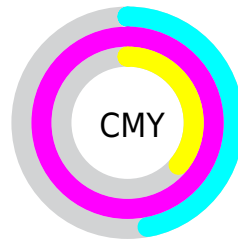
- Red (53%)
- Green (1%)
- Blue (64%)



- Red (53%)
- Yellow (1%)
- Blue (64%)



- Cyan (17%)
- Magenta (98%)
- Yellow (0%)
- Black (36%)



- Cyan (47%)
- Magenta (99%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 83.824, 321.746 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, 83.824, 321.746 by changing the saturation by 10% instead.


 34, 83.824,
321.746

 34, 83.824,
321.746

 100, 83.824,
321.746

 24, 83.824,
321.746

 54, 83.824,
321.746

 14, 83.824,
321.746

 64, 83.824,
321.746

 4, 83.824, 321.746

 74, 83.824,
321.746

 0, 83.824, 321.746

 84, 83.824,
321.746

 94, 83.824,
321.746

■ 34, 83.824,
321.746

■ 34, 83.824,
321.746

■ 34, 84.379,
321.678

■ 35, 80.840,
322.063

■ 37, 75.881,
322.192

■ 40, 68.942,
322.137

■ 43, 60.424,
321.934

■ 47, 50.796,
321.624

■ 51, 40.482,
321.241

■ 55, 29.822,
320.815

■ 59, 19.060,

320.367

■ 64, 8.365, 319.907

Harmonies

Complementary

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



34, 83.824, 321.746



59, 84.192, 134.864

Rectangle

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



34, 83.824, 321.746



34, 83.824, 11.746



34, 83.824, 141.746



34, 83.824, 191.746

Sweetspot

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



34, 83.823, 321.746



70, 38.468, 320.886



23, 83.446, 302.296



34, 26.353, 321.060



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



34, 83.823, 321.746



45, 102.900, 321.562



36, 65.629, 345.524



32, 5.948, 319.970



30, 77.156, 321.740



1, 9.072, 318.260

Inverse Universe

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



34, 66.603, 29.883



45, 83.327, 31.886



59, 74.116, 142.222



32, 3.721, 6.006



30, 61.550, 30.221



1, 5.622, 6.523

Previews

White Background



This preview shows how the CIELCh color 34, 83.824, 321.746 looks on a white background.

Color Contrast Check

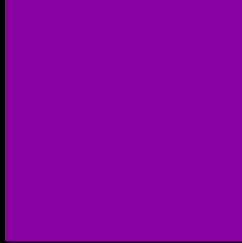
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 83.824, 321.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

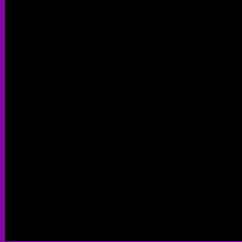
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 83.824, 321.746

Background



This preview shows how black text looks on a background with the CIELCh color 34, 83.824, 321.746.



This preview shows how white text looks on a background with the CIELCh color 34, 83.824, 321.746.

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

34, 83.824, 321.746

Protanopia

35, 54.996, 285.986

Deuteranopia

35, 41.320, 275.659



Tritanopia
35, 27.406, 18.080

Trichromacy



Original Color
34, 83.824, 321.746

Protanomaly
29, 72.216, 301.076

Deuteranomaly
29, 62.808, 299.373

Tritanomaly
32, 47.227, 338.629

Monochromacy



Original Color
34, 83.824, 321.746

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 41.111, 321.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 83.824, 321.746 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(136, 3, 164)` looks like.

```
.text, #text, p{  
    color:rgb(136, 3, 164)  
}
```

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(136, 3, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 3, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 83.824, 321.746 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(136, 3, 164) }
```

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

```
.border{ border-color:rgb(136, 3, 164) }
```

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

Here you see how a box with a 4 pixel rgb(136, 3, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 3, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 3, 164);  
box-shadow:4px 4px 4px 4px rgb(136, 3,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 83.824, 321.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 3, 164) }
```

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

```
.background{ background-color: rgb(136, 3,  
164) }
```

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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