

Converting Colors

CIELCh(34, 83.904, 322.039)

Have a look what the booklet for
CIELCh(34, 83.904, 322.039)
contains.

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Color

CIELCh(34, 84.062, 322.000)

Conversions

Conversions Part 1

Format	Color
Hex	8901A4
RGB	137, 1, 164
RGB Percent	54%, 0%, 64%
CMY	0.4630, 0.9967, 0.3571
CMYK	0.16, 0.99, 0.00, 0.36
HSL	290°, 99%, 32%
HSV	290°, 99%, 64%
XYZ	17.0083, 8.0082, 35.7384
YIQ	60.2460, 28.7330, 79.5250

Conversions

Conversions Part 2

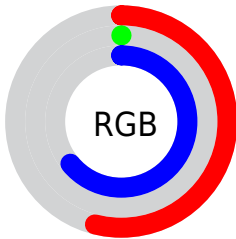
Format	Color
RYB	137, 1, 164
Decimal	8978852
CIELab	34.00, 66.24, -51.75
CIElCh	34, 84.062, 322.000
Yxy	8.0082, 0.2799, 0.1318
Android (android.graphics.Color)	4287168932 (0xFF8901A4)
YUV	60.2460, 51.1507, 67.3133
Hunter-Lab	28.2988, 57.7604, -55.0679

Details

The CIELCh color **34, 84.062, 322.000** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **59, 84.675, 134.955**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 84.124, 321.872**, and **20, 64.387, 318.719** is the 20% darker color. If you saturate the color by 10%, you get **34, 84.198, 321.984**, and if you desaturate by 10%, it is **35, 81.275, 322.313**.

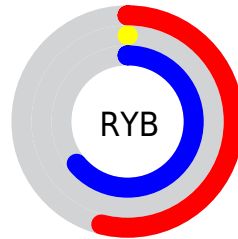
Distribution



Red (54%)

Green (0%)

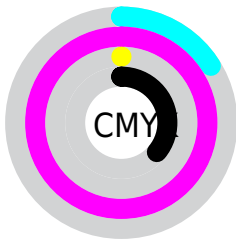
Blue (64%)



Red (54%)

Yellow (0%)

Blue (64%)

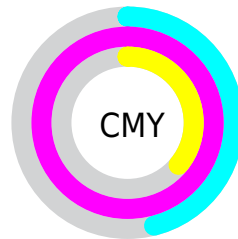


Cyan (16%)

Magenta (99%)

Yellow (0%)

Black (36%)



Cyan (46%)


Magenta (100%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 84.062, 322.000 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, 84.062, 322.000 by changing the saturation by 10% instead.

 34, 84.062,
322.000

 34, 84.062,
322.000

 100, 84.062,
322.000

 24, 84.062,
322.000

 54, 84.062,
322.000

 14, 84.062,
322.000

 64, 84.062,
322.000

 4, 84.062, 322.000

 74, 84.062,
322.000

 0, 84.062, 322.000

 84, 84.062,
322.000

 94, 84.062,
322.000

■ 34, 84.062,
322.000

■ 34, 84.062,
322.000

■ 34, 84.198,
321.984

■ 35, 81.275,
322.313

■ 37, 76.694,
322.462

■ 40, 70.086,
322.427

■ 43, 61.822,
322.241

■ 46, 52.364,
321.942

■ 50, 42.146,
321.567

■ 54, 31.525,
321.143

■ 59, 20.761,

320.695

■ 63, 10.037,
320.235

Harmonies

Complementary

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



34, 84.062, 322.000



59, 84.675, 134.955

Rectangle

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



34, 84.062, 322.000



34, 84.062, 12.000



34, 84.062, 142.000



34, 84.062, 192.000

Sweetspot

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



34, 84.061, 322.000



69, 39.880, 321.191



22, 85.981, 303.135



34, 27.155, 321.362



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, 84.061, 322.000



45, 102.781, 321.872



36, 65.052, 347.079



32, 5.963, 320.224



30, 77.072, 322.043



1, 9.099, 318.561

Inverse Universe

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



34, 67.706, 31.186



45, 83.808, 32.466



59, 73.792, 142.502



32, 3.711, 6.667



30, 61.893, 30.828



1, 5.608, 7.135

Previews

White Background



This preview shows how the CIELCh color 34, 84.062, 322.000 looks on a white background.

Color Contrast Check

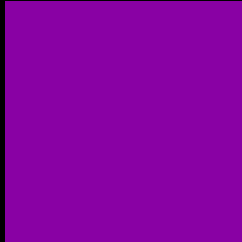
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.062, 322.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

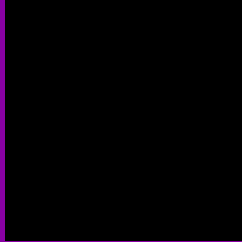
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 84.062, 322.000

Background



This preview shows how black text looks on a background with the CIELCh color 34, 84.062, 322.000.



This preview shows how white text looks on a background with the CIELCh color 34, 84.062, 322.000.

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, 84.062, 322.000

Protanopia

35, 54.996, 285.986

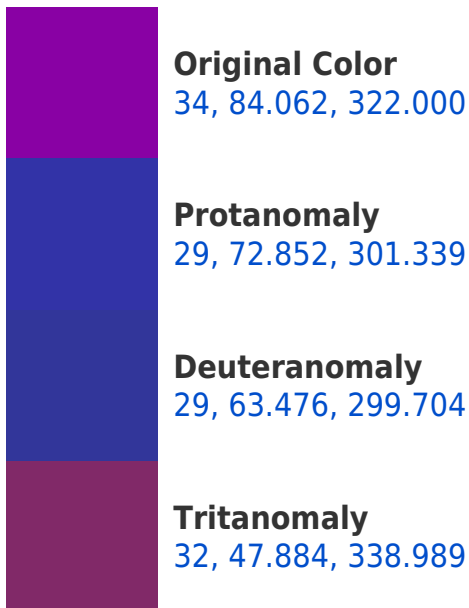
Deuteranopia

35, 41.320, 275.659

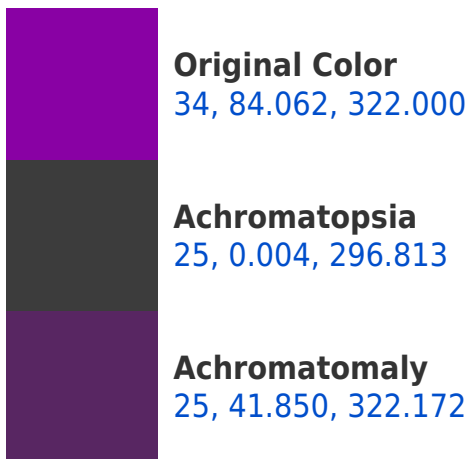


Tritanopia
35, 27.864, 18.275

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 84.062, 322.000 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(137, 1, 164)` looks like.

```
.text, #text, p{  
    color:rgb(137, 1, 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(137, 1, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 1, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 84.062, 322.000 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(137, 1, 164) }
```

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

```
.border{ border-color:rgb(137, 1, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 1, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 1, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 1, 164);  
box-shadow:4px 4px 4px 4px rgb(137, 1,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 84.062, 322.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 1, 164) }
```

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

```
.background{ background-color: rgb(137, 1,  
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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