

Converting Colors

CIELCh(34, 94.153, 315.638)

Have a look what the booklet for
CIELCh(34, 94.153, 315.638)
contains.

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Color

CIELCh(34, 94.061, 315.616)

Conversions

Conversions Part 1

Format	Color
Hex	7A0CBB
RGB	122, 12, 187
RGB Percent	48%, 5%, 73%
CMY	0.5205, 0.9546, 0.2657
CMYK	0.35, 0.94, 0.00, 0.27
HSL	278°, 88%, 39%
HSV	278°, 94%, 73%
XYZ	17.1865, 8.0082, 47.7962
YIQ	64.8400, 9.3850, 77.7450

Conversions

Conversions Part 2

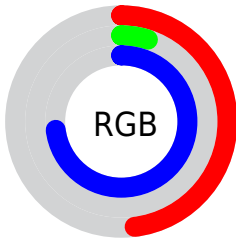
Format	Color
RYB	122, 12, 187
Decimal	7998651
CIELab	34.00, 67.22, -65.79
CIElCh	34, 94.061, 315.616
Yxy	8.0082, 0.2355, 0.1097
Android (android.graphics.Color)	4286188731 (0xFF7A0CBB)
YUV	64.8400, 60.2249, 50.1293
Hunter-Lab	28.2988, 58.8844, -80.3307

Details

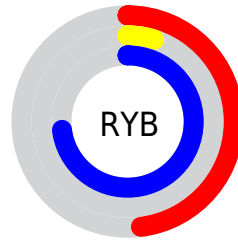
The CIELCh color **34, 94.061, 315.616** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **67, 87.799, 131.217**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 93.953, 315.599**, and **19, 76.675, 311.708** is the 20% darker color. If you saturate the color by 10%, you get **33, 96.255, 315.243**, and if you desaturate by 10%, it is **36, 89.053, 316.051**.

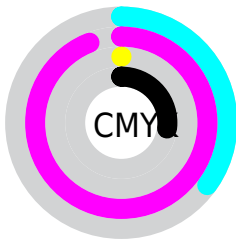
Distribution



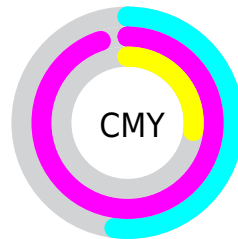
- Red (48%)
- Green (5%)
- Blue (73%)



- Red (48%)
- Yellow (5%)
- Blue (73%)



- Cyan (35%)
- Magenta (94%)
- Yellow (0%)
- Black (27%)





- Cyan (52%)
- Magenta (95%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 94.061, 315.616 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, 94.061, 315.616 by changing the saturation by 10% instead.


 34, 94.061,
315.616


 34, 94.061,
315.616

 100, 94.061,
315.616

 24, 94.061,
315.616

 54, 94.061,
315.616


 14, 94.061,
315.616


 64, 94.061,
315.616

 4, 94.061, 315.616

 74, 94.061,
315.616

 0, 94.061, 315.616

 84, 94.061,
315.616

 94, 94.061,
315.616

■ 34, 94.061,
315.616

■ 34, 94.061,
315.616

■ 33, 96.255,
315.243

■ 36, 89.053,
316.051

■ 40, 81.580,
316.168

■ 44, 72.211,
316.045

■ 48, 61.594,
315.759

■ 53, 50.278,
315.375

■ 58, 38.665,
314.942

■ 63, 27.022,
314.492

■ 68, 15.515,

314.046

■ 74, 4.242, 313.598

Harmonies

Complementary

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



34, 94.061, 315.616



67, 87.799, 131.217

Rectangle

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



34, 94.061, 315.616



34, 94.061, 5.616



34, 94.061, 135.616



34, 94.061, 185.616

Sweetspot

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



34, 94.061, 315.616



77, 39.312, 314.700



36, 66.634, 291.300



39, 27.446, 314.896



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



34, 94.061, 315.616



43, 116.916, 315.073



44, 82.845, 333.158



37, 6.370, 313.850



27, 84.848, 315.379



2, 18.564, 309.757

Inverse Universe

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



40, 66.069, 11.553



51, 82.390, 15.600



66, 90.236, 137.722



37, 4.590, 352.103



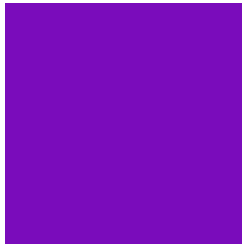
33, 59.619, 13.862



3, 13.139, 358.988

Previews

White Background



This preview shows how the CIELCh color 34, 94.061, 315.616 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, 94.061, 315.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

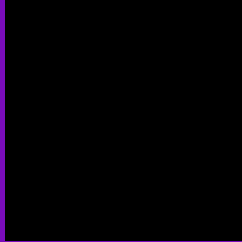
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 94.061, 315.616

Background



This preview shows how black text looks on a background with the CIELCh color 34, 94.061, 315.616.



This preview shows how white text looks on a background with the CIELCh color 34, 94.061, 315.616.

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, 93.899, 315.588

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 38.632, 272.931



Tritanopia
35, 12.853, 7.616

Trichromacy



Original Color
34, 93.899, 315.588



Protanomaly
30, 75.035, 300.262



Deuteranomaly
30, 63.848, 297.857



Tritanomaly
32, 45.696, 323.089

Monochromacy



Original Color
34, 93.899, 315.588



Achromatopsia
28, 0.004, 296.813



Achromatomaly
27, 42.468, 315.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 94.061, 315.616 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(122, 12, 187)` looks like.

```
.text, #text, p{  
    color:rgb(122, 12, 187)  
}
```

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(122, 12, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 12, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 94.061, 315.616 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(122, 12, 187) }
```

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

```
.border{ border-color:rgb(122, 12, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 12, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 12, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 12, 187);  
box-shadow:4px 4px 4px 4px rgb(122, 12,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 94.061, 315.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 12, 187) }
```

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

```
.background{ background-color: rgb(122, 12,  
187) }
```

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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