

Converting Colors

CIELCh(34, 99.996, 314.858)

Have a look what the booklet for
CIELCh(34, 99.996, 314.858)
contains.

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Color

CIELCh(34, 99.871, 314.847)

Conversions

Conversions Part 1

Format	Color
Hex	7900C4
RGB	121, 0, 196
RGB Percent	47%, 0%, 77%
CMY	0.5265, 1.0000, 0.2323
CMYK	0.38, 1.00, 0.00, 0.23
HSL	277°, 100%, 38%
HSV	277°, 100%, 77%
XYZ	17.7782, 8.0082, 52.6855
YIQ	58.5230, 9.2000, 86.6080

Conversions

Conversions Part 2

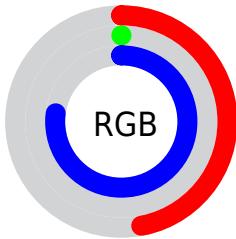
Format	Color
R_{YB}	121, 0, 196
Decimal	7930052
CIE _{Lab}	34.00, 70.43, -70.81
CIE _{LCh}	34, 99.871, 314.847
Yxy	8.0082, 0.2266, 0.1021
Android (android.graphics.Color)	4286120132 (0xFF7900C4)
YUV	58.5230, 67.7762, 54.7923
Hunter-Lab	28.2988, 62.6168, -90.5744

Details

The CIELCh color **34, 99.871, 314.847** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **70, 92.672, 131.444**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 100.036, 314.822**, and **20, 81.357, 310.577** is the 20% darker color. If you saturate the color by 10%, you get **34, 99.787, 314.833**, and if you desaturate by 10%, it is **36, 95.898, 315.434**.

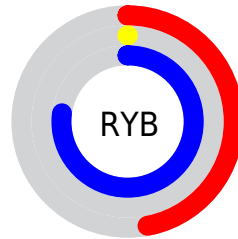
Distribution



Red (47%)

Green (0%)

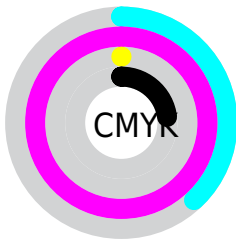
Blue (77%)



Red (47%)

Yellow (0%)

Blue (77%)

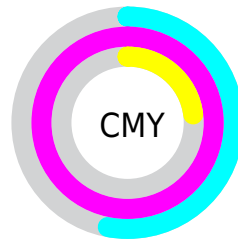


Cyan (38%)

Magenta (100%)

Yellow (0%)

Black (23%)



Cyan (53%)

Magenta (100%)

Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 99.871, 314.847 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, 99.871, 314.847 by changing the saturation by 10% instead.


 34, 99.871,
314.847

 34, 99.871,
314.847

 100, 99.871,
314.847


 24, 99.871,
314.847

 54, 99.871,
314.847


 14, 99.871,
314.847


 64, 99.871,
314.847

 4, 99.871, 314.847

 74, 99.871,
314.847

 0, 99.871, 314.847

 84, 99.871,
314.847

 94, 99.871,
314.847

■ 34, 99.871,
314.847

■ 34, 99.871,
314.847

■ 34, 99.787,
314.833

■ 36, 95.898,
315.434

■ 39, 89.656,
315.744

■ 43, 81.039,
315.756

■ 47, 70.718,
315.553

■ 52, 59.350,
315.213

■ 57, 47.452,
314.796

■ 62, 35.381,
314.346

■ 68, 23.369,

313.890

■ 73, 11.553,
313.444

Harmonies

Complementary

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



34, 99.871, 314.847



70, 92.672, 131.444

Rectangle

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



34, 99.871, 314.847



34, 99.871, 4.847



34, 99.871, 134.847



34, 99.871, 184.847

Sweetspot

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



34, 99.787, 314.833



79, 43.869, 314.367



36, 74.073, 293.716



39, 30.018, 314.562



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



34, 99.787, 314.833



45, 121.912, 314.663



45, 86.404, 333.521



38, 6.491, 313.415



27, 86.091, 314.989



2, 20.715, 309.737

Inverse Universe

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



42, 69.783, 13.534



54, 85.361, 14.474



69, 95.676, 137.074



38, 4.728, 351.259



34, 60.153, 12.673



3, 15.002, 359.097

Previews

White Background



This preview shows how the CIELCh color 34, 99.871, 314.847 looks on a white background.

Color Contrast Check

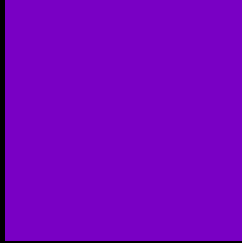
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.871, 314.847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

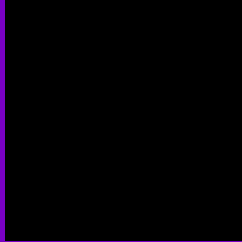
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 99.871, 314.847

Background



This preview shows how black text looks on a background with the CIELCh color 34, 99.871, 314.847.



This preview shows how white text looks on a background with the CIELCh color 34, 99.871, 314.847.

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, 99.871, 314.847

Protanopia

35, 54.423, 285.703

Deuteranopia

35, 38.628, 272.581



Tritanopia
35, 10.353, 0.027

Trichromacy



Original Color
34, 99.871, 314.847

Protanomaly
30, 78.585, 301.192

Deuteranomaly
29, 68.818, 299.499

Tritanomaly
31, 49.811, 320.337

Monochromacy



Original Color
34, 99.871, 314.847

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 47.499, 315.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 99.871, 314.847 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(121, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 196)  
}
```

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(121, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 99.871, 314.847 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(121, 0, 196) }
```

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

```
.border{ border-color:rgb(121, 0, 196) }
```

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

Here you see how a box with a 4 pixel rgb(121, 0, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(121, 0,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 99.871, 314.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 0, 196) }
```

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

```
.background{ background-color: rgb(121, 0,  
196) }
```

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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