

Converting Colors

CIELCh(34, 103.307, 313.887)

Have a look what the booklet for
CIELCh(34, 103.307, 313.887)
contains.

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Color

CIELCh(34, 102.988, 313.781)

Conversions

Conversions Part 1

Format	Color
Hex	7500CA
RGB	117, 0, 202
RGB Percent	46%, 0%, 79%
CMY	0.5421, 1.0000, 0.2087
CMYK	0.42, 1.00, 0.00, 0.21
HSL	275°, 100%, 40%
HSV	275°, 100%, 79%
XYZ	17.9330, 8.0082, 56.3388
YIQ	58.0110, 4.8900, 87.6260

Conversions

Conversions Part 2

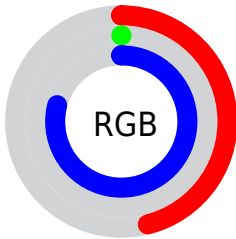
Format	Color
R_{YB}	117, 0, 202
Decimal	7667914
CIE _{Lab}	34.00, 71.26, -74.36
CIE _{LCh}	34, 102.988, 313.781
Yxy	8.0082, 0.2180, 0.0973
Android (android.graphics.Color)	4285857994 (0xFF7500CA)
YUV	58.0110, 70.9866, 51.7334
Hunter-Lab	28.2988, 63.5927, -98.2287

Details

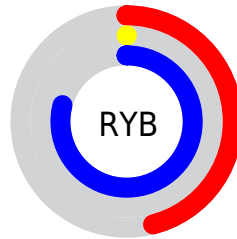
The CIELCh color **34, 102.988, 313.781** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **72, 93.804, 130.501**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 100.562, 314.251**, and **19, 84.417, 309.544** is the 20% darker color. If you saturate the color by 10%, you get **34, 102.913, 313.768**, and if you desaturate by 10%, it is **36, 98.780, 314.374**.

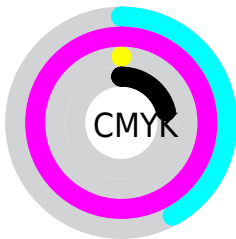
Distribution



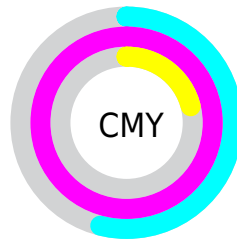
- Red (46%)
- Green (0%)
- Blue (79%)



- Red (46%)
- Yellow (0%)
- Blue (79%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (21%)





- Cyan (54%)
- Magenta (100%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 102.988, 313.781 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, 102.988, 313.781 by changing the saturation by 10% instead.


 34, 102.988,
313.781


 34, 102.988,
313.781


 100, 102.988,
313.781


 24, 102.988,
313.781


 54, 102.988,
313.781


 14, 102.988,
313.781


 64, 102.988,
313.781

 4, 102.988,
313.781

 74, 102.988,
313.781

 0, 102.988,
313.781

 84, 102.988,
313.781

 94, 102.988,
313.781

■ 34, 102.988,
313.781

■ 34, 102.988,
313.781

■ 34, 102.913,
313.768

■ 36, 98.780,
314.374

■ 39, 92.161,
314.668

■ 43, 83.106,
314.648

■ 48, 72.354,
314.408

■ 53, 60.599,
314.032

■ 58, 48.367,
313.584

■ 64, 36.015,
313.110

■ 70, 23.762,

312.636

■ 75, 11.737,
312.179

Harmonies

Complementary

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



34, 102.988, 313.781



72, 93.804, 130.501

Rectangle

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



34, 102.988, 313.781



34, 102.988, 3.781



34, 102.988, 133.781



34, 102.988, 183.781

Sweetspot

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



34, 102.913, 313.768



79, 43.568, 313.129



40, 69.360, 290.206



39, 29.828, 313.333



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, 102.913, 313.768



43, 122.913, 313.615



47, 91.917, 331.094



40, 6.712, 312.152



27, 88.811, 313.924



3, 24.979, 309.715

Inverse Universe

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



43, 70.912, 9.936



54, 84.676, 10.714



71, 99.212, 136.510



40, 5.048, 348.907



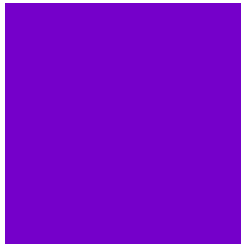
35, 61.222, 9.147



4, 19.240, 358.300

Previews

White Background



This preview shows how the CIELCh color 34, 102.988, 313.781 looks on a white background.

Color Contrast Check

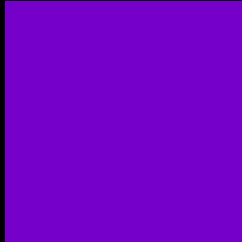
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.988, 313.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

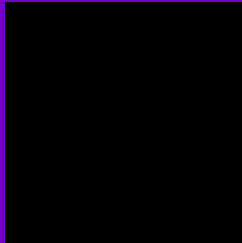
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 102.988, 313.781

Background



This preview shows how black text looks on a background with the CIELCh color 34, 102.988, 313.781.



This preview shows how white text looks on a background with the CIELCh color 34, 102.988, 313.781.

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, 102.988, 313.781

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.101, 271.987



Tritanopia
35, 6.396, 344.647

Trichromacy



Original Color
34, 102.988, 313.781

Protanomaly
30, 80.900, 301.401

Deuteranomaly
29, 69.440, 299.335

Tritanomaly
31, 50.376, 316.503

Monochromacy



Original Color
34, 102.988, 313.781

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 48.573, 314.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 102.988, 313.781 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(117, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 202)  
}
```

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(117, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 102.988, 313.781 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(117, 0, 202) }
```

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

```
.border{ border-color:rgb(117, 0, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 0, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 102.988, 313.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 202) }
```

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

```
.background{ background-color: rgb(117, 0,  
202) }
```

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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