

Converting Colors

CIELCh(33, 97.909, 315.059)

Have a look what the booklet for
CIELCh(33, 97.909, 315.059)
contains.

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Color

CIELCh(33, 97.491, 314.975)

Conversions

Conversions Part 1

Format	Color
Hex	7600BE
RGB	118, 0, 190
RGB Percent	46%, 0%, 75%
CMY	0.5380, 1.0000, 0.2557
CMYK	0.38, 1.00, 0.00, 0.26
HSL	277°, 100%, 37%
HSV	277°, 100%, 74%
XYZ	16.7121, 7.5373, 49.1774
YIQ	56.9420, 9.3380, 84.1060

Conversions

Conversions Part 2

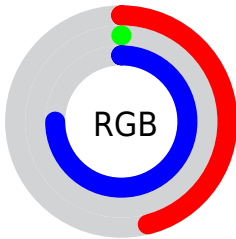
Format	Color
R_{YB}	118, 0, 190
Decimal	7733438
CIE _{Lab}	33.00, 68.91, -68.97
CIE _{LCh}	33, 97.491, 314.975
Yxy	7.5373, 0.2276, 0.1027
Android (android.graphics.Color)	4285923518 (0xFF7600BE)
YUV	56.9420, 65.5976, 53.5479
Hunter-Lab	27.4541, 60.6131, -86.9859

Details

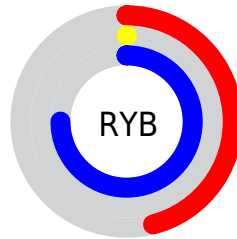
The CIELCh color **33, 97.491, 314.975** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **68, 90.627, 131.505**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 97.748, 314.970**, and **19, 78.725, 310.701** is the 20% darker color. If you saturate the color by 10%, you get **33, 97.424, 314.964**, and if you desaturate by 10%, it is **35, 93.572, 315.551**.

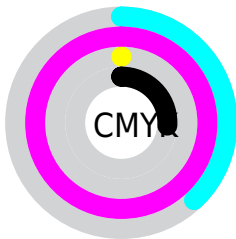
Distribution



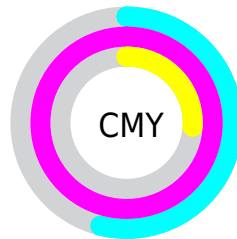
- Red (46%)
- Green (0%)
- Blue (75%)



- Red (46%)
- Yellow (0%)
- Blue (75%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)





- Cyan (54%)
- Magenta (100%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 97.491, 314.975 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 33, 97.491, 314.975 by changing the saturation by 10% instead.


 33, 97.491,
314.975


 33, 97.491,
314.975

 100, 97.491,
314.975


 23, 97.491,
314.975

 53, 97.491,
314.975


 13, 97.491,
314.975


 63, 97.491,
314.975

 3, 97.491, 314.975

 73, 97.491,
314.975

 0, 97.491, 314.975

 83, 97.491,
314.975

 93, 97.491,
314.975

■ 33, 97.491,
314.975

■ 33, 97.491,
314.975

■ 33, 97.424,
314.964

■ 35, 93.572,
315.551

■ 38, 87.464,
315.856

■ 41, 79.053,
315.867

■ 46, 68.988,
315.666

■ 50, 57.904,
315.328

■ 55, 46.301,
314.915

■ 61, 34.527,
314.467

■ 66, 22.808,

314.013

■ 71, 11.276,
313.569

Harmonies

Complementary

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



33, 97.491, 314.975



68, 90.627, 131.505

Rectangle

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



33, 97.491, 314.975



33, 97.491, 4.975



33, 97.491, 134.975



33, 97.491, 184.975

Sweetspot

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



33, 97.424, 314.964



77, 42.828, 314.489



35, 72.226, 293.631



39, 29.543, 314.682



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



33, 97.424, 314.964



44, 119.019, 314.790



44, 84.454, 333.509



37, 6.355, 313.540



27, 85.009, 315.111



2, 18.521, 309.392

Inverse Universe

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



40, 68.238, 13.779



53, 83.480, 14.751



67, 93.444, 137.099



37, 4.615, 351.499



33, 59.488, 12.962



3, 13.185, 358.476

Previews

White Background



This preview shows how the CIE LCh color 33, 97.491, 314.975 looks on a white background.

Color Contrast Check

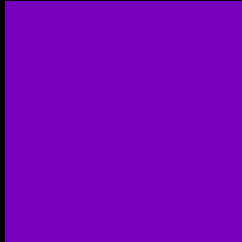
Large Text (above 18pt) WCAG AA ✓ Pass

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 33, 97.491, 314.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

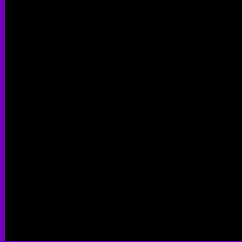
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 97.491, 314.975

Background



This preview shows how black text looks on a background with the CIELCh color 33, 97.491, 314.975.



This preview shows how white text looks on a background with the CIELCh color 33, 97.491, 314.975.

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

33, 97.491, 314.975

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 38.108, 273.052



Tritanopia
34, 10.398, 0.074

Trichromacy



Original Color
33, 97.491, 314.975

Protanomaly
29, 77.655, 301.368

Deuteranomaly
28, 67.294, 299.606

Tritanomaly
30, 48.759, 320.563

Monochromacy



Original Color
33, 97.491, 314.975

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 46.412, 315.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 97.491, 314.975 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(118, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(118, 0, 190)  
}
```

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(118, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 0, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 97.491, 314.975 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(118, 0, 190) }
```

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

```
.border{ border-color:rgb(118, 0, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 0, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(118, 0,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 97.491, 314.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 0, 190) }
```

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

```
.background{ background-color: rgb(118, 0,  
190) }
```

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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