

Converting Colors

CIELCh(33, 98.010, 314.917)

Have a look what the booklet for
CIELCh(33, 98.010, 314.917)
contains.

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Color

CIELCh(33, 97.942, 314.879)

Conversions

Conversions Part 1

Format	Color
Hex	7600BF
RGB	118, 0, 191
RGB Percent	46%, 0%, 75%
CMY	0.5391, 1.0000, 0.2528
CMYK	0.38, 1.00, 0.00, 0.25
HSL	277°, 100%, 37%
HSV	277°, 100%, 75%
XYZ	16.7483, 7.5373, 49.5967
YIQ	57.0560, 9.0170, 84.4170

Conversions

Conversions Part 2

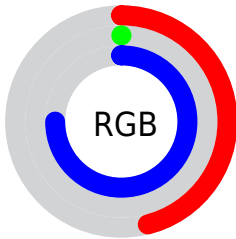
Format	Color
R_{YB}	118, 0, 191
Decimal	7733439
CIE _{Lab}	33.00, 69.11, -69.40
CIE _{LCh}	33, 97.942, 314.879
Yxy	7.5373, 0.2267, 0.1020
Android (android.graphics.Color)	4285923519 (0xFF7600BF)
YUV	57.0560, 66.0344, 53.4479
Hunter-Lab	27.4541, 60.8491, -87.8915

Details

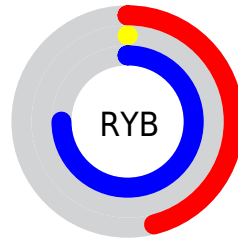
The CIELCh color **33, 97.942, 314.879** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **68, 90.797, 131.416**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 98.216, 314.874**, and **19, 79.324, 310.491** is the 20% darker color. If you saturate the color by 10%, you get **33, 97.785, 314.852**, and if you desaturate by 10%, it is **35, 93.908, 315.441**.

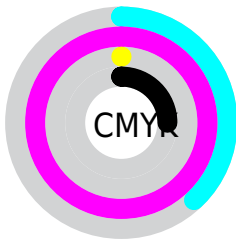
Distribution



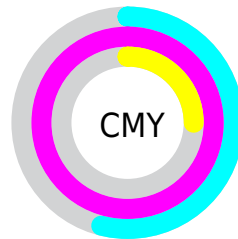
- Red (46%)
- Green (0%)
- Blue (75%)



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



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (54%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 97.942, 314.879 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, 97.942, 314.879 by changing the saturation by 10% instead.


 33, 97.942,
314.879


 33, 97.942,
314.879

 100, 97.942,
314.879


 23, 97.942,
314.879

 53, 97.942,
314.879


 13, 97.942,
314.879


 63, 97.942,
314.879

 3, 97.942, 314.879

 73, 97.942,
314.879

 0, 97.942, 314.879

 83, 97.942,
314.879

 93, 97.942,
314.879

■ 33, 97.942,
314.879

■ 33, 97.942,
314.879

■ 33, 97.785,
314.852

■ 35, 93.908,
315.441

■ 38, 87.761,
315.745

■ 42, 79.304,
315.754

■ 46, 69.191,
315.549

■ 51, 58.062,
315.209

■ 56, 46.419,
314.792

■ 61, 34.611,
314.342

■ 66, 22.860,

313.887

■ 72, 11.301,
313.442

Harmonies

Complementary

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



33, 97.942, 314.879



68, 90.797, 131.416

Rectangle

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



33, 97.942, 314.879



33, 97.942, 4.879



33, 97.942, 134.879



33, 97.942, 184.879

Sweetspot

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



33, 97.785, 314.852



77, 42.797, 314.364



35, 72.455, 293.641



39, 29.523, 314.558



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, 97.785, 314.852



43, 119.116, 314.680



44, 84.696, 333.510



37, 6.349, 313.413



27, 85.076, 315.002



2, 18.504, 309.243

Inverse Universe

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



40, 68.374, 13.422



53, 83.391, 14.374



67, 93.720, 137.096



37, 4.625, 351.254



33, 59.439, 12.594



3, 13.204, 358.266

Previews

White Background



This preview shows how the CIELCh color 33, 97.942, 314.879 looks on a white background.

Color Contrast Check

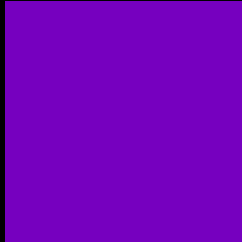
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.942, 314.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

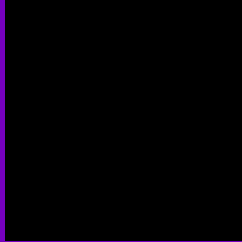
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 97.942, 314.879

Background



This preview shows how black text looks on a background with the CIELCh color 33, 97.942, 314.879.



This preview shows how white text looks on a background with the CIELCh color 33, 97.942, 314.879.

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, 97.942, 314.879

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 38.108, 273.052



Tritanopia
34, 9.981, 359.053

Trichromacy



Original Color
33, 97.942, 314.879

Protanomaly
29, 77.655, 301.368

Deuteranomaly
28, 67.294, 299.606

Tritanomaly
30, 48.698, 320.137

Monochromacy



Original Color
33, 97.942, 314.879

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 46.967, 315.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 97.942, 314.879 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(118, 0, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 97.942, 314.879 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, 191) }
```

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

```
.border{ border-color:rgb(118, 0, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(118, 0,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 97.942, 314.879 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, 191) }
```

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

```
.background{ background-color: rgb(118, 0,  
191) }
```

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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