

Converting Colors

CIELCh(33, 99.139, 314.279)

Have a look what the booklet for
CIELCh(33, 99.139, 314.279)
contains.

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Color

CIELCh(33, 99.164, 314.262)

Conversions

Conversions Part 1

Format	Color
Hex	7301C1
RGB	115, 1, 193
RGB Percent	45%, 0%, 76%
CMY	0.5479, 0.9978, 0.2421
CMYK	0.40, 1.00, 0.00, 0.24
HSL	276°, 99%, 38%
HSV	276°, 100%, 76%
XYZ	16.7665, 7.5373, 51.1750
YIQ	56.9740, 6.3120, 83.8800

Conversions

Conversions Part 2

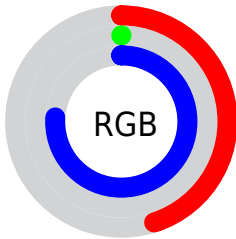
Format	Color
R_{YB}	115, 1, 193
Decimal	7537089
CIE _{Lab}	33.00, 69.21, -71.02
CIE _{LCh}	33, 99.164, 314.262
Yxy	7.5373, 0.2221, 0.0999
Android (android.graphics.Color)	4285727169 (0xFF7301C1)
YUV	56.9740, 67.0608, 50.8888
Hunter-Lab	27.4541, 60.9674, -91.3000

Details

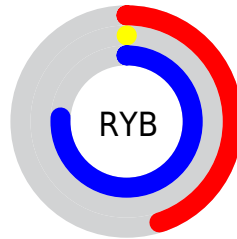
The CIELCh color **33, 99.164, 314.262** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **69, 91.124, 130.871**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 99.211, 314.199**, and **18, 80.748, 309.839** is the 20% darker color. If you saturate the color by 10%, you get **33, 99.276, 314.246**, and if you desaturate by 10%, it is **35, 95.120, 314.852**.

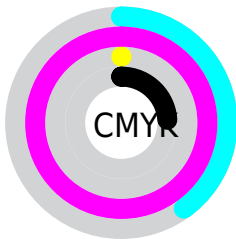
Distribution



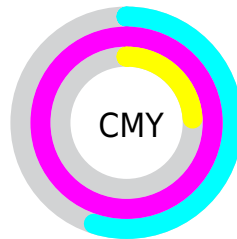
- Red (45%)
- Green (0%)
- Blue (76%)



- Red (45%)
- Yellow (0%)
- Blue (76%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)





- Cyan (55%)
- Magenta (100%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 99.164, 314.262 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, 99.164, 314.262 by changing the saturation by 10% instead.


 33, 99.164,
314.262


 33, 99.164,
314.262

 100, 99.164,
314.262


 23, 99.164,
314.262

 53, 99.164,
314.262


 13, 99.164,
314.262


 63, 99.164,
314.262

 3, 99.164, 314.262

 73, 99.164,
314.262

 0, 99.164, 314.262

 83, 99.164,
314.262

 93, 99.164,
314.262

■ 33, 99.164,
314.262

■ 33, 99.164,
314.262

■ 33, 99.276,
314.246

■ 35, 95.120,
314.852

■ 38, 88.701,
315.138

■ 42, 79.965,
315.122

■ 46, 69.602,
314.892

■ 51, 58.267,
314.530

■ 56, 46.462,
314.096

■ 62, 34.528,
313.633

■ 67, 22.678,

313.169

■ 73, 11.040,
312.718

Harmonies

Complementary

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



33, 99.164, 314.262



69, 91.124, 130.871

Rectangle

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



33, 99.164, 314.262



33, 99.164, 4.262



33, 99.164, 134.262



33, 99.164, 184.262

Sweetspot

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



33, 99.164, 314.263



78, 43.342, 313.669



37, 68.841, 291.240



39, 29.909, 313.869



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



33, 99.164, 314.263



44, 121.538, 314.069



45, 87.816, 331.855



38, 6.458, 312.703



27, 86.472, 314.396



2, 20.607, 308.891

Inverse Universe

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



41, 68.740, 11.255



54, 84.272, 12.326



68, 95.564, 136.709



38, 4.790, 349.914



34, 59.930, 10.607



3, 15.128, 357.896

Previews

White Background



This preview shows how the CIELCh color 33, 99.164, 314.262 looks on a white background.

Color Contrast Check

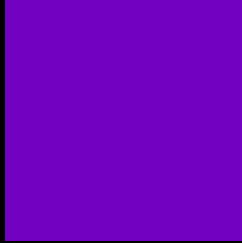
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.164, 314.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

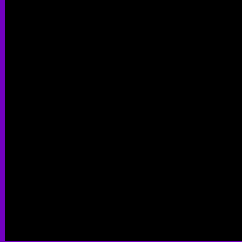
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 99.164, 314.262

Background



This preview shows how black text looks on a background with the CIELCh color 33, 99.164, 314.262.



This preview shows how white text looks on a background with the CIELCh color 33, 99.164, 314.262.

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, 99.009, 314.235

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 38.108, 273.052



Tritanopia
34, 7.943, 352.509

Trichromacy



Original Color
33, 99.009, 314.235

Protanomaly
29, 77.686, 301.273

Deuteranomaly
28, 67.894, 299.555

Tritanomaly
30, 48.961, 318.139

Monochromacy



Original Color
33, 99.009, 314.235

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 47.504, 314.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 99.164, 314.262 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(115, 1, 193)` looks like.

```
.text, #text, p{  
    color:rgb(115, 1, 193)  
}
```

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(115, 1, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 1, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 99.164, 314.262 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(115, 1, 193) }
```

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

```
.border{ border-color:rgb(115, 1, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 1, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 1, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 1, 193);  
box-shadow:4px 4px 4px 4px rgb(115, 1,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 99.164, 314.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 1, 193) }
```

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

```
.background{ background-color: rgb(115, 1,  
193) }
```

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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