

Converting Colors

CIELCh(33, 68.331, 315.685)

Have a look what the booklet for
CIELCh(33, 68.331, 315.685)
contains.

CIELCh(33, 67.980, 315.798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 67.980, 315.798)

Conversions

Conversions Part 1

Format	Color
Hex	702C9A
RGB	112, 44, 154
RGB Percent	44%, 17%, 60%
CMY	0.5617, 0.8284, 0.3970
CMYK	0.27, 0.72, 0.00, 0.40
HSL	277°, 56%, 39%
HSV	277°, 72%, 60%
XYZ	13.3552, 7.5373, 31.2165
YIQ	76.8720, 5.2180, 48.6260

Conversions

Conversions Part 2

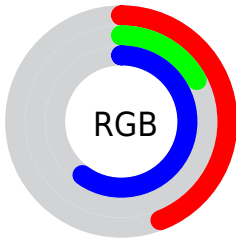
Format	Color
R _Y B	112, 44, 154
Decimal	7351450
CIE Lab	33.00, 48.73, -47.39
CIE LCh	33, 67.980, 315.798
Yxy	7.5373, 0.2563, 0.1446
Android (android.graphics.Color)	4285541530 (0xFF702C9A)
YUV	76.8720, 38.0241, 30.8073
Hunter-Lab	27.4541, 38.7880, -48.1975

Details

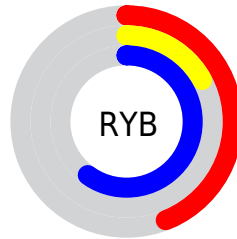
The CIELCh color **33, 67.980, 315.798** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **57, 63.511, 130.104**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 67.620, 315.726**, and **15, 62.433, 314.190** is the 20% darker color. If you saturate the color by 10%, you get **30, 75.022, 315.782**, and if you desaturate by 10%, it is **37, 59.545, 315.606**.

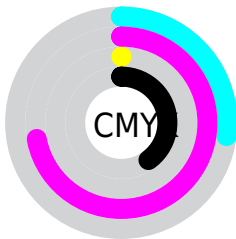
Distribution



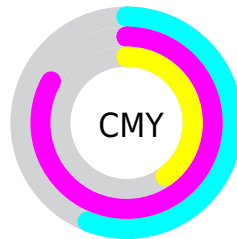
- Red (44%)
- Green (17%)
- Blue (60%)



- Red (44%)
- Yellow (17%)
- Blue (60%)



- Cyan (27%)
- Magenta (72%)
- Yellow (0%)
- Black (40%)




- Cyan (56%)
- Magenta (83%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 67.980, 315.798 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, 67.980, 315.798 by changing the saturation by 10% instead.

 33, 67.980,
315.798


 33, 67.980,
315.798

 100, 67.980,
315.798


 23, 67.980,
315.798

 53, 67.980,
315.798


 13, 67.980,
315.798

 63, 67.980,
315.798

 3, 67.980, 315.798

 73, 67.980,
315.798

 0, 67.980, 315.798

 83, 67.980,
315.798

 93, 67.980,
315.798

■ 33, 67.980,
315.798

■ 33, 67.980,
315.798

■ 30, 75.022,
315.782

■ 37, 59.545,
315.606

■ 28, 80.146,
315.477

■ 40, 50.244,
315.279

■ 26, 83.316,
315.066

■ 45, 40.492,
314.874

■ 49, 30.581,
314.434

■ 54, 20.701,
313.986

■ 58, 10.969,
313.547

■ 63, 1.450, 313.060

■ 67, 7.821, 132.784

■ 72, 16.830,
132.427

Harmonies

Complementary

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



33, 67.980, 315.798



57, 63.511, 130.104

Rectangle

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



33, 67.980, 315.798



33, 67.980, 5.798



33, 67.980, 135.798



33, 67.980, 185.798

Sweetspot

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



33, 67.979, 315.798



68, 24.892, 313.980



37, 42.394, 282.506



34, 16.845, 314.092



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



33, 67.979, 315.798



38, 94.884, 315.634



39, 63.445, 331.882



30, 5.337, 313.447



23, 77.858, 315.152



1, 5.695, 312.741

Inverse Universe

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



37, 48.666, 1.461



44, 66.713, 7.048



56, 65.346, 140.861



30, 3.883, 351.314



29, 54.402, 12.119



1, 4.120, 350.947

Previews

White Background



This preview shows how the CIELCh color 33, 67.980, 315.798 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, 67.980, 315.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

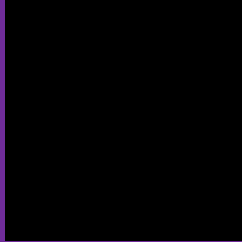
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 67.980, 315.798

Background



This preview shows how black text looks on a background with the CIELCh color 33, 67.980, 315.798.



This preview shows how white text looks on a background with the CIELCh color 33, 67.980, 315.798.

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, 67.980, 315.798

Protanopia

33, 52.968, 285.911

Deuteranopia

33, 39.207, 274.906



Tritanopia
33, 12.941, 7.709

Trichromacy



Original Color
33, 67.980, 315.798

Protanomaly
31, 59.267, 295.038

Deuteranomaly
31, 49.492, 291.417

Tritanomaly
32, 31.521, 326.516

Monochromacy



Original Color
33, 67.980, 315.798

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 27.138, 314.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 67.980, 315.798 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(112, 44, 154)` looks like.

```
.text, #text, p{  
    color:rgb(112, 44, 154)  
}
```

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(112, 44, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 44, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 67.980, 315.798 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(112, 44, 154) }
```

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

```
.border{ border-color:rgb(112, 44, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 44, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 44, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 44, 154);  
box-shadow:4px 4px 4px 4px rgb(112, 44,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 67.980, 315.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 44, 154) }
```

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

```
.background{ background-color: rgb(112, 44,  
154) }
```

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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