

Converting Colors

CIELCh(33, 71.063, 321.352)

Have a look what the booklet for
CIELCh(33, 71.063, 321.352)
contains.

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Color

CIELCh(33, 71.071, 321.250)

Conversions

Conversions Part 1

Format	Color
Hex	7D1F95
RGB	125, 31, 149
RGB Percent	49%, 12%, 58%
CMY	0.5092, 0.8777, 0.4151
CMYK	0.16, 0.79, 0.00, 0.42
HSL	288°, 65%, 35%
HSV	288°, 79%, 58%
XYZ	14.4137, 7.5373, 29.1953
YIQ	72.5580, 18.1460, 56.6260

Conversions

Conversions Part 2

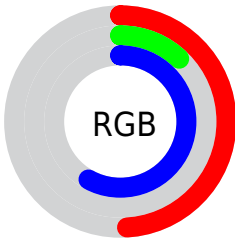
Format	Color
R_{YB}	125, 31, 149
Decimal	8200085
CIE _{Lab}	33.00, 55.43, -44.49
CIE _{LCh}	33, 71.071, 321.250
Yxy	7.5373, 0.2818, 0.1474
Android (android.graphics.Color)	4286390165 (0xFF7D1F95)
YUV	72.5580, 37.6859, 45.9916
Hunter-Lab	27.4541, 45.6697, -43.8325

Details

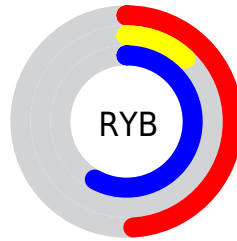
The CIELCh color **33, 71.071, 321.250** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **55, 69.998, 134.359**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 71.185, 321.244**, and **17, 58.490, 318.925** is the 20% darker color. If you saturate the color by 10%, you get **31, 75.691, 321.079**, and if you desaturate by 10%, it is **35, 64.624, 321.224**.

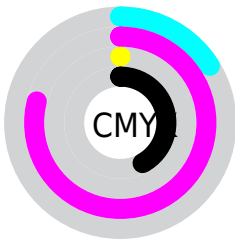
Distribution



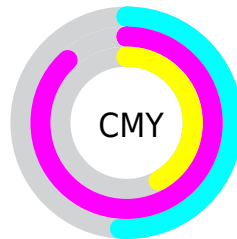
- Red (49%)
- Green (12%)
- Blue (58%)



- Red (49%)
- Yellow (12%)
- Blue (58%)



- Cyan (16%)
- Magenta (79%)
- Yellow (0%)
- Black (42%)





- Cyan (51%)
- Magenta (88%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 71.071, 321.250 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, 71.071, 321.250 by changing the saturation by 10% instead.


 33, 71.071,
321.250


 33, 71.071,
321.250

 100, 71.071,
321.250


 23, 71.071,
321.250

 53, 71.071,
321.250


 13, 71.071,
321.250


 63, 71.071,
321.250

 3, 71.071, 321.250

 73, 71.071,
321.250

 0, 71.071, 321.250

 83, 71.071,
321.250

 93, 71.071,
321.250

■ 33, 71.071,
321.250

■ 33, 71.071,
321.250

■ 31, 75.691,
321.079

■ 35, 64.624,
321.224

■ 30, 78.680,
320.733

■ 38, 56.737,
321.041

■ 30, 78.948,
320.703

■ 42, 47.845,
320.746

■ 46, 38.339,
320.375

■ 50, 28.528,
319.961

■ 54, 18.632,
319.525

■ 58, 8.801, 319.079

■ 62, 0.869, 138.865

■ 66, 10.323,
138.281

Harmonies

Complementary

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



33, 71.071, 321.250



55, 69.998, 134.359

Rectangle

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



33, 71.071, 321.250



33, 71.071, 11.250



33, 71.071, 141.250



33, 71.071, 191.250

Sweetspot

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



33, 71.070, 321.250



66, 29.092, 319.762



28, 59.168, 295.442



33, 19.954, 319.902



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



33, 71.070, 321.250



40, 94.537, 320.788



35, 58.714, 340.288



29, 5.435, 319.084



27, 74.466, 320.753



1, 4.717, 318.707

Inverse Universe

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



33, 51.785, 18.396



41, 72.965, 26.852



54, 61.259, 144.729



29, 3.461, 3.757



28, 57.941, 27.742



1, 2.960, 2.987

Previews

White Background



This preview shows how the CIELCh color 33, 71.071, 321.250 looks on a white background.

Color Contrast Check

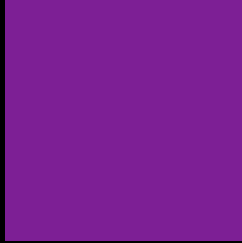
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.071, 321.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

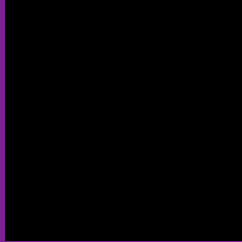
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 71.071, 321.250

Background



This preview shows how black text looks on a background with the CIELCh color 33, 71.071, 321.250.



This preview shows how white text looks on a background with the CIELCh color 33, 71.071, 321.250.

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, 71.071, 321.250

Protanopia

33, 53.546, 286.203

Deuteranopia

33, 39.491, 276.799



Tritanopia
33, 23.320, 17.621

Trichromacy



Original Color
33, 71.071, 321.250

Protanomaly
30, 61.288, 297.234

Deuteranomaly
30, 52.027, 296.811

Tritanomaly
32, 37.626, 338.650

Monochromacy



Original Color
33, 71.071, 321.250

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 30.274, 320.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 71.071, 321.250 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(125, 31, 149)` looks like.

```
.text, #text, p{  
    color:rgb(125, 31, 149)  
}
```

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(125, 31, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 31, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 71.071, 321.250 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(125, 31, 149) }
```

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

```
.border{ border-color:rgb(125, 31, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 31, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 31, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 31, 149);  
box-shadow:4px 4px 4px 4px rgb(125, 31,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 71.071, 321.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 31, 149) }
```

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

```
.background{ background-color: rgb(125, 31,  
149) }
```

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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