

Converting Colors

CIELCh(33, 88.011, 318.794)

Have a look what the booklet for
CIELCh(33, 88.011, 318.794)
contains.

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Color

CIELCh(33, 87.910, 318.772)

Conversions

Conversions Part 1

Format	Color
Hex	7F02AB
RGB	127, 2, 171
RGB Percent	50%, 1%, 67%
CMY	0.5004, 0.9927, 0.3279
CMYK	0.26, 0.99, 0.00, 0.33
HSL	284°, 98%, 34%
HSV	284°, 99%, 67%
XYZ	16.2176, 7.5373, 39.3176
YIQ	58.6410, 20.2510, 79.0590

Conversions

Conversions Part 2

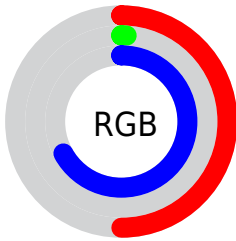
Format	Color
R_{YB}	127, 2, 171
Decimal	8323755
CIE _{Lab}	33.00, 66.12, -57.94
CIE _{LCh}	33, 87.910, 318.772
Yxy	7.5373, 0.2571, 0.1195
Android (android.graphics.Color)	4286513835 (0xFF7F02AB)
YUV	58.6410, 55.3930, 59.9508
Hunter-Lab	27.4541, 57.3986, -65.6927

Details

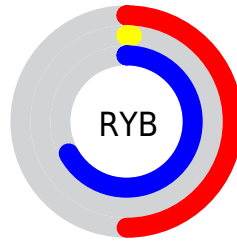
The CIELCh color **33, 87.910, 318.772** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **62, 85.976, 133.738**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 87.518, 318.691**, and **18, 68.495, 314.799** is the 20% darker color. If you saturate the color by 10%, you get **33, 88.245, 318.722**, and if you desaturate by 10%, it is **35, 84.630, 319.238**.

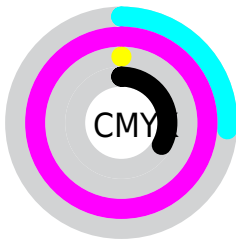
Distribution



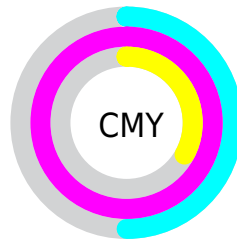
- Red (50%)
- Green (1%)
- Blue (67%)



- Red (50%)
- Yellow (1%)
- Blue (67%)



- Cyan (26%)
- Magenta (99%)
- Yellow (0%)
- Black (33%)




- Cyan (50%)
- Magenta (99%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 87.910, 318.772 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, 87.910, 318.772 by changing the saturation by 10% instead.

 33, 87.910,
318.772


 33, 87.910,
318.772

 100, 87.910,
318.772


 23, 87.910,
318.772

 53, 87.910,
318.772


 13, 87.910,
318.772


 63, 87.910,
318.772

 3, 87.910, 318.772

 73, 87.910,
318.772

 0, 87.910, 318.772

 83, 87.910,
318.772

 93, 87.910,
318.772

■ 33, 87.910,
318.772

■ 33, 87.910,
318.772

■ 33, 88.245,
318.722

■ 35, 84.630,
319.238

■ 37, 79.320,
319.476

■ 40, 71.939,
319.481

■ 43, 62.970,
319.310

■ 47, 52.935,
319.015

■ 52, 42.284,
318.643

■ 56, 31.354,
318.227

■ 61, 20.380,

317.793

■ 66, 9.516, 317.355

Harmonies

Complementary

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



33, 87.910, 318.772



62, 85.976, 133.738

Rectangle

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



33, 87.910, 318.772



33, 87.910, 8.772



33, 87.910, 138.772



33, 87.910, 188.772

Sweetspot

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



33, 87.909, 318.772



71, 40.167, 318.296



27, 78.781, 299.427



35, 27.655, 318.468



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



33, 87.909, 318.772



43, 107.072, 318.572



39, 71.670, 340.035



34, 6.109, 317.373



28, 80.145, 318.811



2, 12.511, 314.324

Inverse Universe

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



36, 65.886, 23.783



47, 81.046, 25.417



61, 81.491, 139.582



34, 4.042, 359.636



31, 60.034, 23.661



2, 8.194, 2.362

Previews

White Background



This preview shows how the CIELCh color 33, 87.910, 318.772 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, 87.910, 318.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

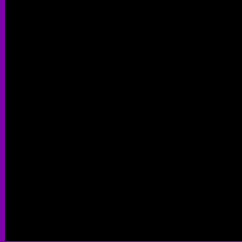
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 87.910, 318.772

Background



This preview shows how black text looks on a background with the CIELCh color 33, 87.910, 318.772.



This preview shows how white text looks on a background with the CIELCh color 33, 87.910, 318.772.

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, 87.753, 318.749

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 39.182, 274.203



Tritanopia
34, 20.817, 14.631

Trichromacy



Original Color
33, 87.753, 318.749

Protanomaly
28, 73.048, 301.063

Deuteranomaly
28, 63.661, 299.324

Tritanomaly
31, 46.759, 331.980

Monochromacy



Original Color
33, 87.753, 318.749

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 42.632, 319.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 87.910, 318.772 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(127, 2, 171)` looks like.

```
.text, #text, p{  
    color:rgb(127, 2, 171)  
}
```

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(127, 2, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 2, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 87.910, 318.772 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(127, 2, 171) }
```

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

```
.border{ border-color:rgb(127, 2, 171) }
```

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

Here you see how a box with a 4 pixel rgb(127, 2, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 2, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 2, 171);  
box-shadow:4px 4px 4px 4px rgb(127, 2,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 87.910, 318.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 2, 171) }
```

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

```
.background{ background-color: rgb(127, 2,  
171) }
```

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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