

Converting Colors

CIELCh(33, 63.355, 337.651)

Have a look what the booklet for
CIELCh(33, 63.355, 337.651)
contains.

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Color

CIELCh(33, 63.417, 337.705)

Conversions

Conversions Part 1

Format	Color
Hex	910C75
RGB	145, 12, 117
RGB Percent	57%, 5%, 46%
CMY	0.4327, 0.9517, 0.5424
CMYK	0.00, 0.91, 0.19, 0.43
HSL	313°, 84%, 31%
HSV	313°, 91%, 57%
XYZ	14.9470, 7.5373, 17.4044
YIQ	63.7370, 45.5630, 60.8510

Conversions

Conversions Part 2

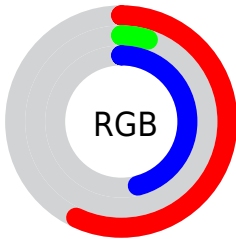
Format	Color
RYB	145, 12, 117
Decimal	9505909
CIELab	33.00, 58.68, -24.06
CIElCh	33, 63.417, 337.705
Yxy	7.5373, 0.3747, 0.1890
Android (android.graphics.Color)	4287695989 (0xFF910C75)
YUV	63.7370, 26.2587, 71.2677
Hunter-Lab	27.4541, 49.1374, -18.3687

Details

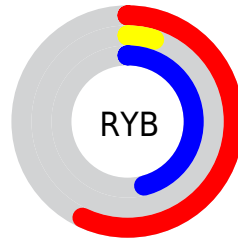
The CIELCh color **33, 63.417, 337.705** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **52, 69.353, 140.420**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 63.510, 337.721**, and **18, 45.351, 339.881** is the 20% darker color. If you saturate the color by 10%, you get **32, 64.528, 338.602**, and if you desaturate by 10%, it is **34, 60.969, 336.732**.

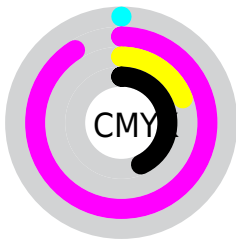
Distribution



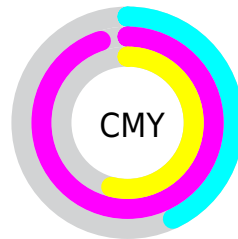
- Red (57%)
- Green (5%)
- Blue (46%)



- Red (57%)
- Yellow (5%)
- Blue (46%)



- Cyan (0%)
- Magenta (91%)
- Yellow (19%)
- Black (43%)





- Cyan (43%)
- Magenta (95%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 63.417, 337.705 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, 63.417, 337.705 by changing the saturation by 10% instead.


 33, 63.417,
337.705


 33, 63.417,
337.705


 100, 63.417,
337.705


 23, 63.417,
337.705

 53, 63.417,
337.705


 13, 63.417,
337.705


 63, 63.417,
337.705

 3, 63.417, 337.705

 73, 63.417,
337.705

 0, 63.417, 337.705

 83, 63.417,
337.705

 93, 63.417,
337.705

■ 33, 63.417,
337.705

■ 33, 63.417,
337.705

■ 32, 64.528,
338.602

■ 34, 60.969,
336.732

■ 36, 56.720,
335.865

■ 38, 50.886,
335.069

■ 41, 43.816,
334.321

■ 44, 35.887,
333.607

■ 48, 27.436,
332.919

■ 52, 18.732,
332.253

■ 55, 9.970, 331.605

Harmonies

Complementary

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



33, 63.417, 337.705



52, 69.353, 140.420

Rectangle

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



33, 63.417, 337.705



33, 63.417, 27.705



33, 63.417, 157.705



33, 63.417, 207.705

Sweetspot

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



33, 63.415, 337.705



63, 29.248, 332.655



19, 81.584, 306.948



31, 19.633, 332.856



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



33, 63.415, 337.705



43, 78.241, 338.873



31, 54.338, 15.776



28, 4.842, 331.454



30, 61.471, 338.523



1, 3.249, 330.924

Inverse Universe

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



33, 63.415, 337.705



43, 78.241, 338.873



53, 43.925, 163.992



28, 4.842, 331.454



30, 61.471, 338.523



1, 3.249, 330.924

Previews

White Background



This preview shows how the CIELCh color 33, 63.417, 337.705 looks on a white background.

Color Contrast Check

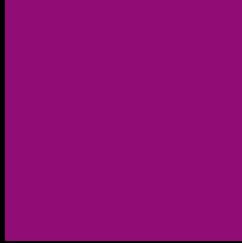
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63.417, 337.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

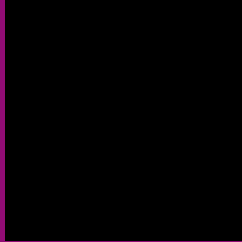
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 63.417, 337.705

Background



This preview shows how black text looks on a background with the CIELCh color 33, 63.417, 337.705.

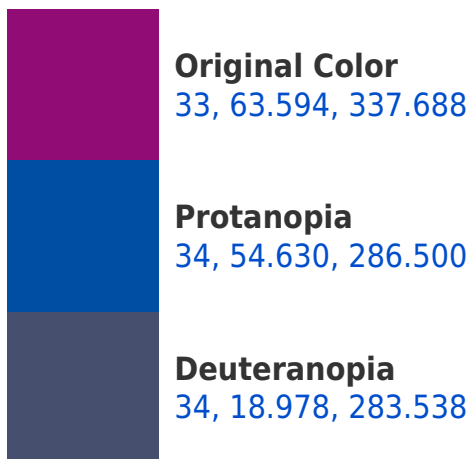


This preview shows how white text looks on a background with the CIELCh color 33, 63.417, 337.705.

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





Tritanopia
33, 43.880, 26.424

Trichromacy



Original Color
33, 63.594, 337.688

Protanomaly
28, 59.979, 300.114

Deuteranomaly
31, 38.868, 318.902

Tritanomaly
32, 47.334, 3.227

Monochromacy



Original Color
33, 63.594, 337.688

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 30.756, 334.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 63.417, 337.705 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(145, 12, 117)` looks like.

```
.text, #text, p{  
    color:rgb(145, 12, 117)  
}
```

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(145, 12, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 12, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 63.417, 337.705 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(145, 12, 117) }
```

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

```
.border{ border-color:rgb(145, 12, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 12, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 12, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 12, 117);  
box-shadow:4px 4px 4px 4px rgb(145, 12,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 63.417, 337.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 12, 117) }
```

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

```
.background{ background-color: rgb(145, 12,  
117) }
```

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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