

Converting Colors

CIELCh(33, 67.938, 335.149)

Have a look what the booklet for
CIELCh(33, 67.938, 335.149)
contains.

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Color

CIELCh(33, 67.938, 335.149)

Conversions

Conversions Part 1

Format	Color
Hex	92007C
RGB	146, 0, 124
RGB Percent	57%, 0%, 49%
CMY	0.4281, 1.0000, 0.5144
CMYK	0.00, 1.00, 0.15, 0.43
HSL	309°, 100%, 29%
HSV	309°, 100%, 57%
XYZ	15.4461, 7.5373, 19.6563
YIQ	57.7900, 47.2120, 69.5160

Conversions

Conversions Part 2

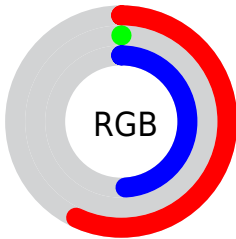
Format	Color
RYB	146, 0, 124
Decimal	9568380
CIELab	33.00, 61.65, -28.55
CIELCh	33, 67.938, 335.149
Yxy	7.5373, 0.3622, 0.1768
Android (android.graphics.Color)	4287758460 (0xFF92007C)
YUV	57.7900, 32.6415, 77.3602
Hunter-Lab	27.4541, 52.3824, -23.2320

Details

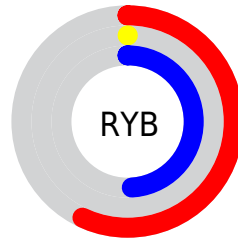
The CIELCh color **33, 67.938, 335.149** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **52, 75.455, 137.906**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 68.004, 335.279**, and **19, 47.915, 336.038** is the 20% darker color. If you saturate the color by 10%, you get **33, 67.876, 335.152**, and if you desaturate by 10%, it is **34, 66.321, 334.447**.

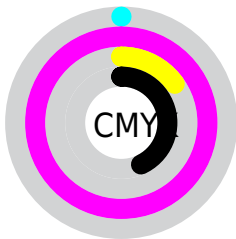
Distribution



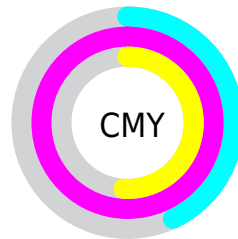
- Red (57%)
- Green (0%)
- Blue (49%)



- Red (57%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (43%)





- Cyan (43%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 67.938, 335.149 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, 67.938, 335.149 by changing the saturation by 10% instead.


 33, 67.938,
335.149


 33, 67.938,
335.149

 100, 67.938,
335.149


 23, 67.938,
335.149

 53, 67.938,
335.149


 13, 67.938,
335.149


 63, 67.938,
335.149

 3, 67.938, 335.149

 73, 67.938,
335.149

 0, 67.938, 335.149

 83, 67.938,
335.149

 93, 67.938,
335.149

■ 33, 67.938,
335.149

■ 33, 67.938,
335.149

■ 33, 67.876,
335.152

■ 34, 66.321,
334.447

■ 35, 63.380,
333.776

■ 37, 58.626,
333.135

■ 39, 52.297,
332.507

■ 42, 44.746,
331.884

■ 45, 36.351,
331.262

■ 49, 27.448,
330.643

■ 53, 18.302,

330.031

■ 56, 9.111, 329.422

Harmonies

Complementary

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



33, 67.938, 335.149



52, 75.455, 137.906

Rectangle

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



33, 67.938, 335.149



33, 67.938, 25.149



33, 67.938, 155.149



33, 67.938, 205.149

Sweetspot

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



33, 67.876, 335.152



62, 33.863, 330.681



17, 87.253, 306.993



30, 22.987, 330.912



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, 67.876, 335.152



43, 81.897, 335.317



30, 56.429, 15.330



29, 5.204, 329.374



31, 65.140, 335.110



1, 4.524, 328.864

Inverse Universe

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



33, 67.876, 335.152



43, 81.897, 335.317



53, 49.167, 158.570



29, 5.204, 329.374



31, 65.140, 335.110



1, 4.524, 328.864

Previews

White Background



This preview shows how the CIELCh color 33, 67.938, 335.149 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 CIE LCh color 33, 67.938, 335.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

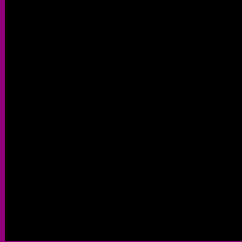
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 67.938, 335.149

Background



This preview shows how black text looks on a background with the CIELCh color 33, 67.938, 335.149.

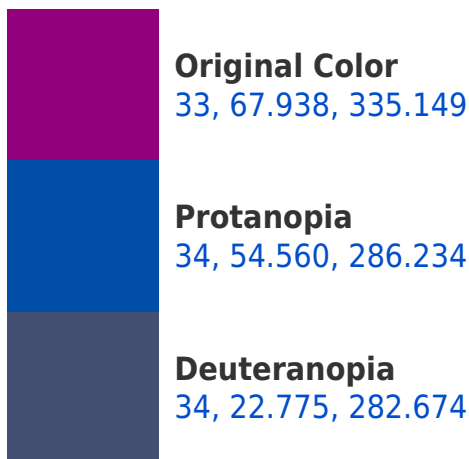


This preview shows how white text looks on a background with the CIELCh color 33, 67.938, 335.149.

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
34, 42.831, 25.959

Trichromacy



Original Color
33, 67.938, 335.149



Protanomaly
27, 63.725, 301.244



Deuteranomaly
30, 45.235, 316.775



Tritanomaly
32, 48.681, 359.638

Monochromacy



Original Color
33, 67.938, 335.149



Achromatopsia
24, 0.004, 296.813



Achromatomaly
24, 34.949, 332.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 67.938, 335.149 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(146, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 124)  
}
```

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(146, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 67.938, 335.149 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(146, 0, 124) }
```

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

```
.border{ border-color:rgb(146, 0, 124) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 67.938, 335.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 124) }
```

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

```
.background{ background-color: rgb(146, 0,  
124) }
```

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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