

Converting Colors

CIELCh(33, 64.112, 340.591)

Have a look what the booklet for
CIELCh(33, 64.112, 340.591)
contains.

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Color

CIELCh(33, 63.960, 340.651)

Conversions

Conversions Part 1

Format	Color
Hex	940270
RGB	148, 2, 112
RGB Percent	58%, 1%, 44%
CMY	0.4184, 0.9933, 0.5597
CMYK	0.00, 0.99, 0.24, 0.42
HSL	315°, 98%, 29%
HSV	315°, 99%, 58%
XYZ	15.2264, 7.5373, 16.0611
YIQ	58.1940, 51.7060, 65.1620

Conversions

Conversions Part 2

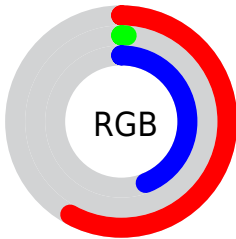
Format	Color
RYB	148, 2, 112
Decimal	9699952
CIELab	33.00, 60.35, -21.19
CIElCh	33, 63.960, 340.651
Yxy	7.5373, 0.3922, 0.1941
Android (android.graphics.Color)	4287890032 (0xFF940270)
YUV	58.1940, 26.5264, 78.7599
Hunter-Lab	27.4541, 50.9540, -15.4678

Details

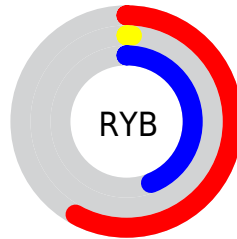
The CIELCh color **33, 63.960, 340.651** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **53, 72.294, 140.134**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 64.029, 340.697**, and **19, 44.279, 343.731** is the 20% darker color. If you saturate the color by 10%, you get **33, 64.096, 340.800**, and if you desaturate by 10%, it is **34, 62.650, 339.371**.

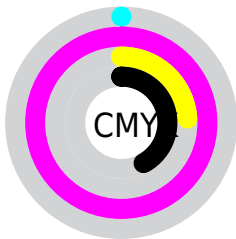
Distribution



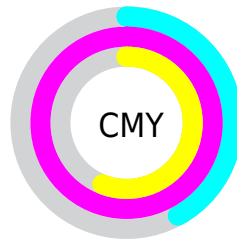
- Red (58%)
- Green (1%)
- Blue (44%)



- Red (58%)
- Yellow (1%)
- Blue (44%)



- Cyan (0%)
- Magenta (99%)
- Yellow (24%)
- Black (42%)





- Cyan (42%)
- Magenta (99%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 63.960, 340.651 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, 63.960, 340.651 by changing the saturation by 10% instead.


 33, 63.960,
340.651


 33, 63.960,
340.651

 100, 63.960,
340.651


 23, 63.960,
340.651

 53, 63.960,
340.651


 13, 63.960,
340.651


 63, 63.960,
340.651

 3, 63.960, 340.651

 73, 63.960,
340.651

 0, 63.960, 340.651

 83, 63.960,
340.651

 93, 63.960,
340.651

■ 33, 63.960,
340.651

■ 33, 63.960,
340.651

■ 33, 64.096,
340.800

■ 34, 62.650,
339.371

■ 35, 59.797,
338.245

■ 37, 55.150,
337.262

■ 40, 48.981,
336.378

■ 43, 41.666,
335.563

■ 46, 33.584,
334.798

■ 50, 25.062,
334.073

■ 54, 16.352,

333.379

■ 58, 7.631, 332.705

Harmonies

Complementary

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



33, 63.960, 340.651



53, 72.294, 140.134

Rectangle

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



33, 63.960, 340.651



33, 63.960, 30.651



33, 63.960, 160.651



33, 63.960, 210.651

Sweetspot

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



33, 63.957, 340.651



64, 32.409, 334.200



18, 86.783, 307.635



31, 22.014, 334.473



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, 63.957, 340.651



44, 77.828, 341.133



31, 58.701, 22.425



29, 4.865, 332.729



30, 60.792, 340.695



1, 4.226, 332.180

Inverse Universe

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



33, 63.957, 340.651



44, 77.828, 341.133



54, 44.685, 165.221



29, 4.865, 332.729



30, 60.792, 340.695



1, 4.226, 332.180

Previews

White Background



This preview shows how the CIELCh color 33, 63.960, 340.651 looks on a white background.

Color Contrast Check

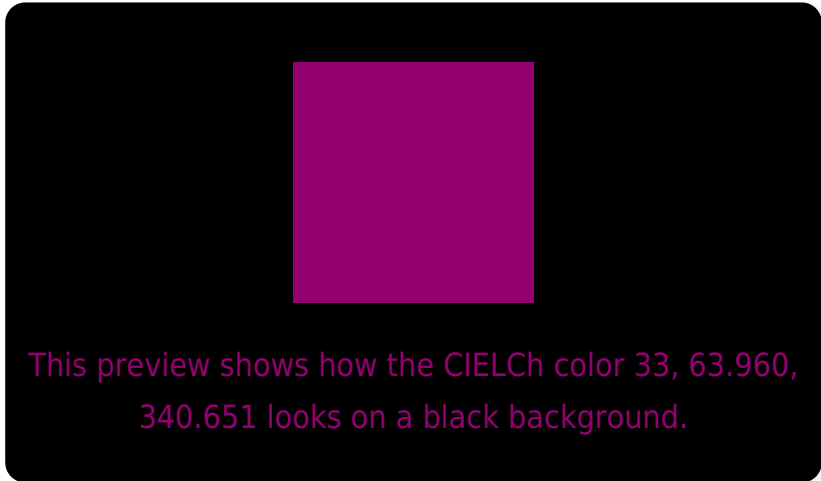
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

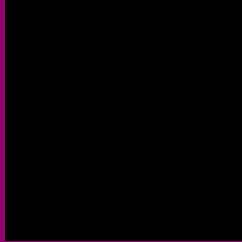
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 63.960, 340.651

Background



This preview shows how black text looks on a background with the CIELCh color 33, 63.960, 340.651.



This preview shows how white text looks on a background with the CIELCh color 33, 63.960, 340.651.

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, 63.805, 340.672

Protanopia

34, 51.347, 286.885

Deuteranopia

34, 16.328, 287.657



Tritanopia
34, 47.428, 28.245

Trichromacy



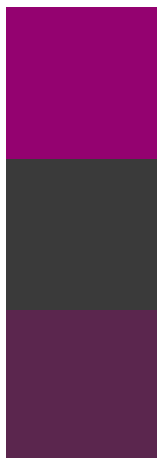
Original Color
33, 63.805, 340.672

Protanomaly
28, 59.201, 305.260

Deuteranomaly
30, 39.992, 323.838

Tritanomaly
33, 50.024, 6.334

Monochromacy



Original Color
33, 63.805, 340.672

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 32.801, 336.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 63.960, 340.651 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(148, 2, 112)` looks like.

```
.text, #text, p{  
    color:rgb(148, 2, 112)  
}
```

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(148, 2, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 2, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 63.960, 340.651 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(148, 2, 112) }
```

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

```
.border{ border-color:rgb(148, 2, 112) }
```

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

Here you see how a box with a 4 pixel rgb(148, 2, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 2, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 2, 112);  
box-shadow:4px 4px 4px 4px rgb(148, 2,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 63.960, 340.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 2, 112) }
```

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

```
.background{ background-color: rgb(148, 2,  
112) }
```

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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