

Converting Colors

CIELCh(33, 60.754, 345.699)

Have a look what the booklet for
CIELCh(33, 60.754, 345.699)
contains.

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Color

CIELCh(33, 60.773, 345.347)

Conversions

Conversions Part 1

Format	Color
Hex	950767
RGB	149, 7, 103
RGB Percent	58%, 3%, 40%
CMY	0.4148, 0.9743, 0.5953
CMYK	0.00, 0.96, 0.31, 0.41
HSL	319°, 92%, 31%
HSV	319°, 96%, 59%
XYZ	14.9670, 7.5373, 13.5517
YIQ	60.4020, 53.8160, 59.9600

Conversions

Conversions Part 2

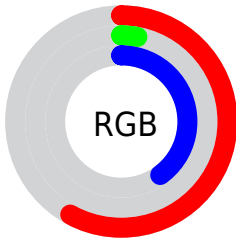
Format	Color
RYB	149, 7, 103
Decimal	9766759
CIELab	33.00, 58.80, -15.37
CIElCh	33, 60.773, 345.347
Yxy	7.5373, 0.4151, 0.2090
Android (android.graphics.Color)	4287956839 (0xFF950767)
YUV	60.4020, 21.0008, 77.7004
Hunter-Lab	27.4541, 49.2674, -10.0485

Details

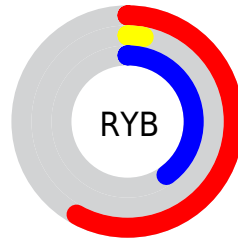
The CIELCh color **33, 60.773, 345.347** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **54, 67.510, 143.008**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 60.448, 345.495**, and **18, 42.366, 350.525** is the 20% darker color. If you saturate the color by 10%, you get **33, 61.239, 346.181**, and if you desaturate by 10%, it is **34, 59.257, 343.544**.

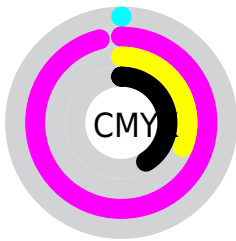
Distribution



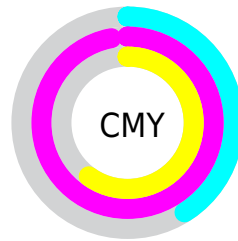
- Red (58%)
- Green (3%)
- Blue (40%)



- Red (58%)
- Yellow (3%)
- Blue (40%)



- Cyan (0%)
- Magenta (96%)
- Yellow (31%)
- Black (41%)





- Cyan (41%)
- Magenta (97%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 60.773, 345.347 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, 60.773, 345.347 by changing the saturation by 10% instead.


 33, 60.773,
345.347


 33, 60.773,
345.347

 100, 60.773,
345.347


 23, 60.773,
345.347

 53, 60.773,
345.347


 13, 60.773,
345.347


 63, 60.773,
345.347

 3, 60.773, 345.347

 73, 60.773,
345.347

 0, 60.773, 345.347

 83, 60.773,
345.347

 93, 60.773,
345.347

■ 33, 60.773,
345.347

■ 33, 60.773,
345.347

■ 33, 61.239,
346.181

■ 34, 59.257,
343.544

■ 36, 55.973,
342.046

■ 38, 51.003,
340.785

■ 41, 44.669,
339.695

■ 44, 37.361,
338.726

■ 48, 29.440,
337.846

■ 51, 21.204,
337.034

■ 55, 12.869,

336.274

■ 59, 4.586, 335.532

Harmonies

Complementary

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



33, 60.773, 345.347



54, 67.510, 143.008

Rectangle

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



33, 60.773, 345.347



33, 60.773, 35.347



33, 60.773, 165.347



33, 60.773, 215.347

Sweetspot

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



33, 60.770, 345.348



64, 29.726, 337.351



20, 84.334, 308.637



31, 20.322, 337.666



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, 60.770, 345.348



43, 73.995, 346.670



31, 60.359, 27.680



29, 4.605, 335.803



30, 57.833, 346.009



1, 3.997, 335.213

Inverse Universe

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



33, 60.770, 345.348



43, 73.995, 346.670



55, 39.951, 173.590



29, 4.605, 335.803



30, 57.833, 346.009



1, 3.997, 335.213

Previews

White Background



This preview shows how the CIELCh color 33, 60.773, 345.347 looks on a white background.

Color Contrast Check

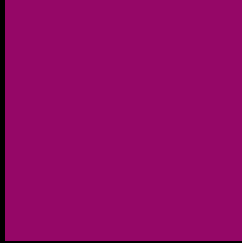
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.773, 345.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

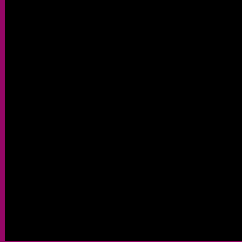
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 60.773, 345.347

Background



This preview shows how black text looks on a background with the CIELCh color 33, 60.773, 345.347.



This preview shows how white text looks on a background with the CIELCh color 33, 60.773, 345.347.

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, 60.622, 345.380

Protanopia

34, 43.322, 286.392

Deuteranopia

34, 11.355, 296.108



Tritanopia
34, 49.847, 29.129

Trichromacy



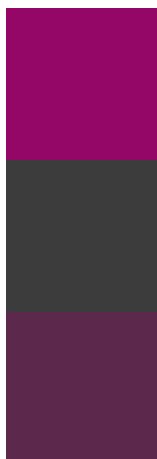
Original Color
33, 60.622, 345.380

Protanomaly
29, 50.912, 309.254

Deuteranomaly
30, 35.470, 330.480

Tritanomaly
33, 51.001, 10.271

Monochromacy



Original Color
33, 60.622, 345.380

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 30.316, 338.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 60.773, 345.347 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(149, 7, 103)` looks like.

```
.text, #text, p{  
    color:rgb(149, 7, 103)  
}
```

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(149, 7, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 7, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 60.773, 345.347 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(149, 7, 103) }
```

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

```
.border{ border-color:rgb(149, 7, 103) }
```

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

Here you see how a box with a 4 pixel rgb(149, 7, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 7, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 7, 103);  
box-shadow:4px 4px 4px 4px rgb(149, 7,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 60.773, 345.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 7, 103) }
```

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

```
.background{ background-color: rgb(149, 7,  
103) }
```

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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