

Converting Colors

CIELCh(25, 93.823, 339.056)

Have a look what the booklet for
CIELCh(25, 93.823, 339.056)
contains.

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Color

CIELCh(33, 64.372, 341.647)

Conversions

Conversions Part 1

Format	Color
Hex	96006F
RGB	150, 0, 111
RGB Percent	59%, 0%, 44%
CMY	0.4129, 1.0000, 0.5653
CMYK	0.00, 1.00, 0.26, 0.41
HSL	316°, 100%, 29%
HSV	316°, 100%, 59%
XYZ	15.3530, 7.5373, 15.6442
YIQ	57.5040, 53.7690, 66.3210

Conversions

Conversions Part 2

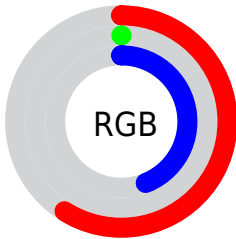
Format	Color
R_{YB}	150, 0, 111
Decimal	9830511
CIE _{Lab}	33.00, 61.10, -20.27
CIE _{LCh}	33, 64.372, 341.647
Yxy	7.5373, 0.3984, 0.1956
Android (android.graphics.Color)	4288020591 (0xFF96006F)
YUV	57.5040, 26.3735, 81.1190
Hunter-Lab	27.4541, 51.7769, -14.5673

Details

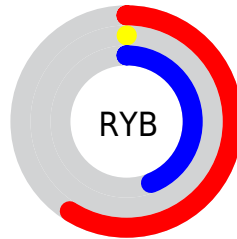
The CIELCh color **33, 64.372, 341.647** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **54, 72.664, 140.315**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 64.088, 341.693**, and **19, 44.242, 345.535** is the 20% darker color. If you saturate the color by 10%, you get **33, 63.924, 341.714**, and if you desaturate by 10%, it is **34, 62.729, 340.325**.

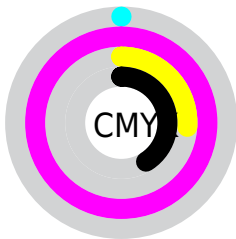
Distribution



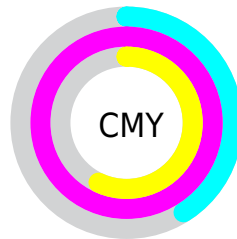
- Red (59%)
- Green (0%)
- Blue (44%)



- Red (59%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (41%)




- Cyan (41%)
- Magenta (100%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 64.372, 341.647 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, 64.372, 341.647 by changing the saturation by 10% instead.


 33, 64.372,
341.647

 33, 64.372,
341.647

 100, 64.372,
341.647

 23, 64.372,
341.647

 53, 64.372,
341.647

 13, 64.372,
341.647

 63, 64.372,
341.647

 3, 64.372, 341.647

 73, 64.372,
341.647

 0, 64.372, 341.647

 83, 64.372,
341.647

 93, 64.372,
341.647

■ 33, 64.372,
341.647

■ 33, 64.372,
341.647

■ 33, 63.924,
341.714

■ 34, 62.729,
340.325

■ 35, 60.121,
339.098

■ 37, 55.689,
338.040

■ 40, 49.689,
337.102

■ 43, 42.494,
336.247

■ 46, 34.491,
335.452

■ 50, 26.016,
334.704

■ 54, 17.329,

333.992

■ 58, 8.618, 333.306

Harmonies

Complementary

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



33, 64.372, 341.647



54, 72.664, 140.315

Rectangle

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



33, 64.372, 341.647



33, 64.372, 31.647



33, 64.372, 161.647



33, 64.372, 211.647

Sweetspot

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



33, 63.924, 341.714



64, 32.106, 334.747



18, 87.823, 307.869



31, 21.810, 335.028



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, 63.924, 341.714



43, 77.090, 342.060



31, 60.117, 24.440



29, 4.817, 333.251



30, 60.225, 341.586



1, 4.184, 332.694

Inverse Universe

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



33, 63.924, 341.714



43, 77.090, 342.060



55, 44.321, 166.444



29, 4.817, 333.251



30, 60.225, 341.586



1, 4.184, 332.694

Previews

White Background



This preview shows how the CIELCh color 33, 64.372, 341.647 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, 64.372, 341.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

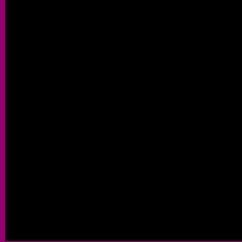
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 64.372, 341.647

Background



This preview shows how black text looks on a background with the CIELCh color 33, 64.372, 341.647.



This preview shows how white text looks on a background with the CIELCh color 33, 64.372, 341.647.

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, 48.300, 28.431

Trichromacy



Original Color
33, 63.991, 341.752



Protanomaly
29, 57.982, 306.405



Deuteranomaly
30, 39.124, 325.347



Tritanomaly
33, 50.943, 6.758

Monochromacy



Original Color
33, 63.991, 341.752



Achromatopsia
24, 0.004, 296.813



Achromatomaly
24, 33.639, 336.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 64.372, 341.647 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(150, 0, 111)` looks like.

```
.text, #text, p{  
  color:rgb(150, 0, 111)  
}
```

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(150, 0, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 64.372, 341.647 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(150, 0, 111) }
```

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

```
.border{ border-color:rgb(150, 0, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 0, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 111);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 64.372, 341.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 111) }
```

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

```
.background{ background-color: rgb(150, 0,  
111) }
```

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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