

Converting Colors

CIELCh(33, 61.590, 347.819)

Have a look what the booklet for
CIELCh(33, 61.590, 347.819)
contains.

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Color

CIELCh(33, 61.348, 347.701)

Conversions

Conversions Part 1

Format	Color
Hex	980064
RGB	152, 0, 100
RGB Percent	60%, 0%, 39%
CMY	0.4053, 1.0000, 0.6090
CMYK	0.00, 1.00, 0.34, 0.41
HSL	321°, 100%, 30%
HSV	321°, 100%, 59%
XYZ	15.1580, 7.5373, 12.6346
YIQ	56.8480, 58.4920, 63.3240

Conversions

Conversions Part 2

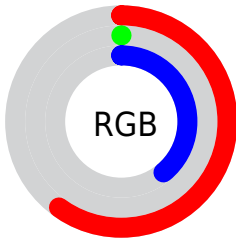
Format	Color
RYB	152, 0, 100
Decimal	9961572
CIELab	33.00, 59.94, -13.07
CIELCh	33, 61.348, 347.701
Yxy	7.5373, 0.4290, 0.2133
Android (android.graphics.Color)	4288151652 (0xFF980064)
YUV	56.8480, 21.2739, 83.4483
Hunter-Lab	27.4541, 50.5092, -8.0679

Details

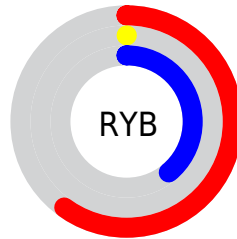
The CIELCh color **33, 61.348, 347.701** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **55, 69.174, 142.872**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 61.277, 347.533**, and **19, 42.376, 354.684** is the 20% darker color. If you saturate the color by 10%, you get **33, 61.227, 347.732**, and if you desaturate by 10%, it is **34, 60.137, 345.666**.

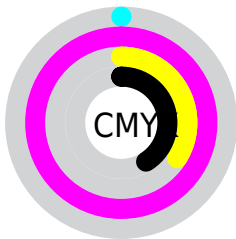
Distribution



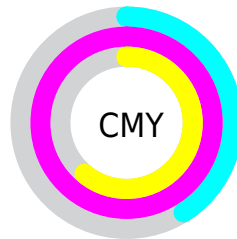
- Red (60%)
- Green (0%)
- Blue (39%)



- Red (60%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (41%)





- Cyan (41%)
- Magenta (100%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 61.348, 347.701 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, 61.348, 347.701 by changing the saturation by 10% instead.


 33, 61.348,
347.701


 33, 61.348,
347.701

 100, 61.348,
347.701


 23, 61.348,
347.701

 53, 61.348,
347.701


 13, 61.348,
347.701


 63, 61.348,
347.701

 3, 61.348, 347.701

 73, 61.348,
347.701

 0, 61.348, 347.701

 83, 61.348,
347.701

 93, 61.348,
347.701

■ 33, 61.348,
347.701

■ 33, 61.348,
347.701

■ 33, 61.227,
347.732

■ 34, 60.137,
345.666

■ 35, 57.665,
343.894

■ 37, 53.406,
342.432

■ 40, 47.618,
341.194

■ 43, 40.678,
340.118

■ 47, 32.975,
339.159

■ 50, 24.839,
338.286

■ 54, 16.523,

337.481

■ 58, 8.207, 336.720

Harmonies

Complementary

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



33, 61.348, 347.701



55, 69.174, 142.872

Rectangle

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



33, 61.348, 347.701



33, 61.348, 37.701



33, 61.348, 167.701



33, 61.348, 217.701

Sweetspot

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



33, 61.227, 347.732



64, 30.660, 338.336



20, 87.425, 308.936



32, 21.064, 338.667



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



33, 61.227, 347.732



43, 73.845, 348.256



31, 63.921, 30.964



30, 4.670, 336.662



30, 57.913, 347.551



1, 4.968, 336.533

Inverse Universe

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



33, 61.227, 347.732



43, 73.845, 348.256



56, 40.317, 174.638



30, 4.670, 336.662



30, 57.913, 347.551



1, 4.968, 336.533

Previews

White Background



This preview shows how the CIELCh color 33, 61.348, 347.701 looks on a white background.

Color Contrast Check

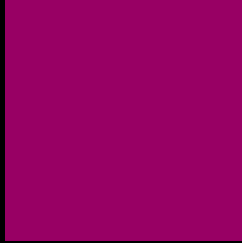
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.348, 347.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

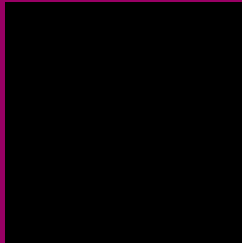
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 61.348, 347.701

Background



This preview shows how black text looks on a background with the CIELCh color 33, 61.348, 347.701.



This preview shows how white text looks on a background with the CIELCh color 33, 61.348, 347.701.

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, 61.348, 347.701

Protanopia

35, 40.142, 286.163

Deuteranopia

34, 8.955, 302.137



Tritanopia
34, 52.153, 29.866

Trichromacy



Original Color
33, 61.348, 347.701

Protanomaly
29, 50.006, 311.817

Deuteranomaly
30, 35.603, 334.898

Tritanomaly
33, 52.571, 12.281

Monochromacy



Original Color
33, 61.348, 347.701

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 32.100, 340.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 61.348, 347.701 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(152, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 100)  
}
```

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(152, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 61.348, 347.701 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(152, 0, 100) }
```

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

```
.border{ border-color:rgb(152, 0, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 0, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(152, 0,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 61.348, 347.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 100) }
```

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

```
.background{ background-color: rgb(152, 0,  
100) }
```

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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