

Converting Colors

CIELCh(33, 60.704, 349.946)

Have a look what the booklet for
CIELCh(33, 60.704, 349.946)
contains.

CIELCh(33, 60.477, 349.780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 60.477, 349.780)

Conversions

Conversions Part 1

Format	Color
Hex	980060
RGB	152, 0, 96
RGB Percent	60%, 0%, 38%
CMY	0.4035, 0.9990, 0.6232
CMYK	0.00, 1.00, 0.37, 0.40
HSL	322°, 100%, 30%
HSV	322°, 100%, 60%
XYZ	15.0873, 7.5373, 11.7479
YIQ	56.3920, 59.7760, 62.0800

Conversions

Conversions Part 2

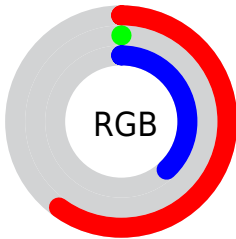
Format	Color
RYB	152, 0, 96
Decimal	9961568
CIELab	33.00, 59.52, -10.73
CIElCh	33, 60.477, 349.780
Yxy	7.5373, 0.4389, 0.2193
Android (android.graphics.Color)	4288151648 (0xFF980060)
YUV	56.3920, 19.5267, 83.8482
Hunter-Lab	27.4541, 50.0491, -6.1529

Details

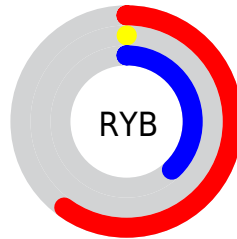
The CIELCh color **33, 60.477, 349.780** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **55, 67.811, 143.845**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 60.598, 349.720**, and **19, 41.712, 356.797** is the 20% darker color. If you saturate the color by 10%, you get **33, 60.493, 349.820**, and if you desaturate by 10%, it is **34, 59.368, 347.478**.

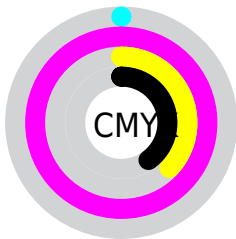
Distribution



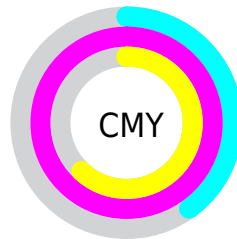
- Red (60%)
- Green (0%)
- Blue (38%)



- Red (60%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 60.477, 349.780 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, 60.477, 349.780 by changing the saturation by 10% instead.


 33, 60.477,
349.780


 33, 60.477,
349.780

 100, 60.477,
349.780


 23, 60.477,
349.780

 53, 60.477,
349.780


 13, 60.477,
349.780


 63, 60.477,
349.780

 3, 60.477, 349.780

 73, 60.477,
349.780

 0, 60.477, 349.780

 83, 60.477,
349.780

 93, 60.477,
349.780

■ 33, 60.477,
349.780

■ 33, 60.477,
349.780

■ 33, 60.493,
349.820

■ 34, 59.368,
347.478

■ 35, 56.879,
345.521

■ 38, 52.626,
343.921

■ 40, 46.868,
342.582

■ 43, 39.985,
341.431

■ 47, 32.361,
340.416

■ 51, 24.325,
339.502

■ 55, 16.125,

338.664

■ 59, 7.936, 337.878

Harmonies

Complementary

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



33, 60.477, 349.780



55, 67.811, 143.845

Rectangle

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



33, 60.477, 349.780



33, 60.477, 39.780



33, 60.477, 169.780



33, 60.477, 219.780

Sweetspot

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



33, 60.474, 349.781



65, 30.441, 339.570



20, 86.986, 309.453



32, 20.699, 339.914



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, 60.474, 349.781



44, 73.497, 350.426



31, 65.399, 33.120



30, 4.583, 337.831



30, 57.091, 349.610



1, 4.876, 337.685

Inverse Universe

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



33, 60.474, 349.781



44, 73.497, 350.426



56, 38.799, 178.424



30, 4.583, 337.831



30, 57.091, 349.610



1, 4.876, 337.685

Previews

White Background



This preview shows how the CIELCh color 33, 60.477, 349.780 looks on a white background.

Color Contrast Check

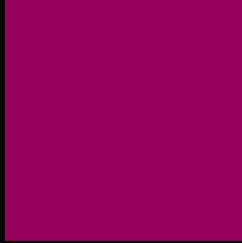
Large Text (above 18pt) WCAG AA ✓ Pass

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, 60.477, 349.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

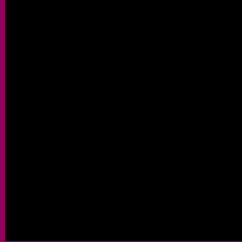
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 60.477, 349.780

Background



This preview shows how black text looks on a background with the CIELCh color 33, 60.477, 349.780.



This preview shows how white text looks on a background with the CIELCh color 33, 60.477, 349.780.

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, 60.477, 349.780

Protanopia
35, 37.041, 285.980

Deuteranopia
34, 6.780, 312.906



Tritanopia
34, 53.345, 30.772

Trichromacy



Original Color
33, 60.477, 349.780

Protanomaly
29, 47.850, 313.789

Deuteranomaly
30, 34.625, 337.744

Tritanomaly
33, 53.286, 13.703

Monochromacy



Original Color
33, 60.477, 349.780

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 31.633, 342.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 60.477, 349.780 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 60.477, 349.780 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, 96) }
```

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

```
.border{ border-color:rgb(152, 0, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(152, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 60.477, 349.780 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, 96) }
```

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

```
.background{ background-color: rgb(152, 0,  
96) }
```

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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