

Converting Colors

CIELCh(33, 59.942, 349.996)

Have a look what the booklet for
CIELCh(33, 59.942, 349.996)
contains.

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Color

CIELCh(33, 60.034, 349.910)

Conversions

Conversions Part 1

Format	Color
Hex	980260
RGB	152, 2, 96
RGB Percent	60%, 1%, 38%
CMY	0.4051, 0.9908, 0.6245
CMYK	0.00, 0.98, 0.37, 0.41
HSL	322°, 97%, 30%
HSV	322°, 98%, 59%
XYZ	15.0185, 7.5373, 11.6693
YIQ	57.5660, 59.2260, 61.0340

Conversions

Conversions Part 2

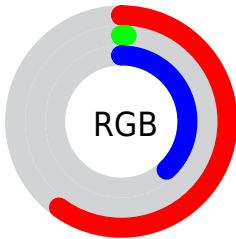
Format	Color
RYB	152, 2, 96
Decimal	9962080
CIELab	33.00, 59.11, -10.52
CIELCh	33, 60.034, 349.910
Yxy	7.5373, 0.4388, 0.2202
Android (android.graphics.Color)	4288152160 (0xFF980260)
YUV	57.5660, 18.9480, 82.8186
Hunter-Lab	27.4541, 49.6020, -5.9833

Details

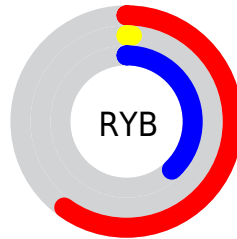
The CIELCh color **33, 60.034, 349.910** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **55, 66.771, 144.319**, and the grayscale version is **24, 0.004, 296.813**.

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, 60.201, 350.277**, and if you desaturate by 10%, it is **34, 58.832, 347.583**.

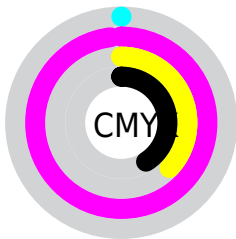
Distribution



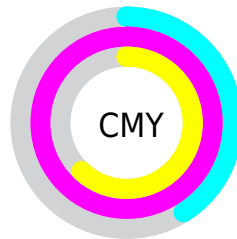
- Red (60%)
- Green (1%)
- Blue (38%)



- Red (60%)
- Yellow (1%)
- Blue (38%)



- Cyan (0%)
- Magenta (98%)
- Yellow (37%)
- Black (41%)





- Cyan (41%)
- Magenta (99%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 60.034, 349.910 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, 60.034, 349.910 by changing the saturation by 10% instead.


 33, 60.034,
349.910


 33, 60.034,
349.910

 100, 60.034,
349.910


 23, 60.034,
349.910

 53, 60.034,
349.910


 13, 60.034,
349.910


 63, 60.034,
349.910

 3, 60.034, 349.910

 73, 60.034,
349.910

 0, 60.034, 349.910

 83, 60.034,
349.910

 93, 60.034,
349.910

■ 33, 60.034,
349.910

■ 33, 60.034,
349.910

■ 33, 60.201,
350.277

■ 34, 58.832,
347.583

■ 36, 56.098,
345.642

■ 38, 51.633,
344.053

■ 40, 45.722,
342.722

■ 44, 38.748,
341.576

■ 47, 31.089,
340.565

■ 51, 23.062,
339.654

■ 55, 14.903,

338.818

■ 59, 6.774, 338.030

Harmonies

Complementary

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



33, 60.034, 349.910



55, 66.771, 144.319

Rectangle

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



33, 60.034, 349.910



33, 60.034, 39.910



33, 60.034, 169.910



33, 60.034, 219.910

Sweetspot

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



33, 60.031, 349.911



64, 30.008, 339.842



21, 86.100, 309.449



32, 20.621, 340.192



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, 60.031, 349.911



43, 72.593, 350.878



31, 64.549, 32.561



30, 4.564, 338.092



30, 56.923, 350.069



1, 4.856, 337.941

Inverse Universe

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



33, 60.031, 349.911



43, 72.593, 350.878



56, 38.542, 178.608



30, 4.564, 338.092



30, 56.923, 350.069



1, 4.856, 337.941

Previews

White Background



This preview shows how the CIELCh color 33, 60.034, 349.910 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, 60.034, 349.910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

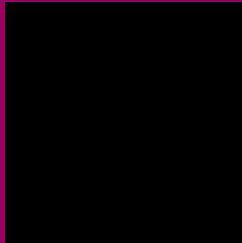
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 60.034, 349.910

Background



This preview shows how black text looks on a background with the CIELCh color 33, 60.034, 349.910.



This preview shows how white text looks on a background with the CIELCh color 33, 60.034, 349.910.

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, 60.181, 349.867

Protanopia

34, 36.479, 285.295

Deuteranopia

34, 7.378, 311.125



Tritanopia
34, 52.920, 30.694

Trichromacy



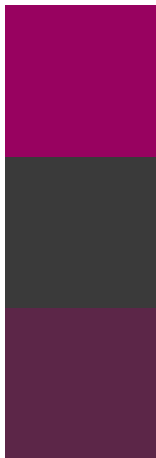
Original Color
33, 60.181, 349.867

Protanomaly
29, 46.601, 313.371

Deuteranomaly
30, 34.246, 338.536

Tritanomaly
33, 52.713, 13.642

Monochromacy



Original Color
33, 60.181, 349.867

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 30.755, 342.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 60.034, 349.910 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, 2, 96)` looks like.

```
.text, #text, p{  
    color:rgb(152, 2, 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, 2, 96) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 33, 60.034, 349.910 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, 2, 96) }
```

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

```
.border{ border-color:rgb(152, 2, 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, 2, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 2, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 2, 96);  
box-shadow:4px 4px 4px 4px rgb(152, 2, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 60.034, 349.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 2, 96) }
```

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

```
.background{ background-color: rgb(152, 2,  
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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