

Converting Colors

CIELCh(33, 58.138, 359.837)

Have a look what the booklet for
CIELCh(33, 58.138, 359.837)
contains.

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Color

CIELCh(33, 58.045, 359.738)

Conversions

Conversions Part 1

Format	Color
Hex	9A0350
RGB	154, 3, 80
RGB Percent	60%, 1%, 31%
CMY	0.3955, 0.9869, 0.6858
CMYK	0.00, 0.98, 0.48, 0.40
HSL	329°, 96%, 31%
HSV	329°, 98%, 60%
XYZ	14.8423, 7.5373, 8.2844
YIQ	56.9270, 65.2790, 55.9590

Conversions

Conversions Part 2

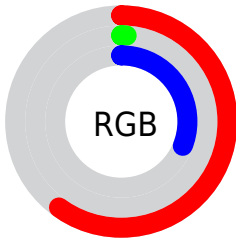
Format	Color
RYB	154, 3, 80
Decimal	10093392
CIELab	33.00, 58.04, -0.27
CIElCh	33, 58.045, 359.738
Yxy	7.5373, 0.4840, 0.2458
Android (android.graphics.Color)	4288283472 (0xFF9A0350)
YUV	56.9270, 11.3750, 85.1330
Hunter-Lab	27.4541, 48.4566, 1.3268

Details

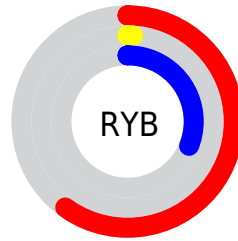
The CIELCh color **33, 58.045, 359.738** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **56, 60.449, 149.478**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 58.171, 359.565**, and **18, 41.392, 10.380** is the 20% darker color. If you saturate the color by 10%, you get **33, 58.366, 0.498**, and if you desaturate by 10%, it is **34, 56.480, 356.313**.

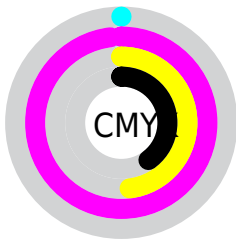
Distribution



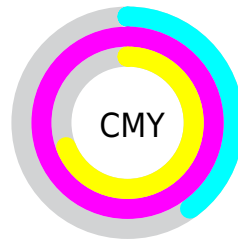
- Red (60%)
- Green (1%)
- Blue (31%)



- Red (60%)
- Yellow (1%)
- Blue (31%)



- Cyan (0%)
- Magenta (98%)
- Yellow (48%)
- Black (40%)





- Cyan (40%)
- Magenta (99%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 58.045, 359.738 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, 58.045, 359.738 by changing the saturation by 10% instead.


 33, 58.045,
359.738


 33, 58.045,
359.738

 100, 58.045,
359.738

 23, 58.045,
359.738

 53, 58.045,
359.738


 13, 58.045,
359.738


 63, 58.045,
359.738

 3, 58.045, 359.738

 73, 58.045,
359.738

 0, 58.045, 359.738

 83, 58.045,
359.738

 93, 58.045,
359.738

■ 33, 58.045,
359.738

■ 33, 58.045,
359.738

■ 33, 58.366, 0.498

■ 34, 56.480,
356.313

■ 36, 53.487,
353.517

■ 38, 48.917,
351.290

■ 41, 43.040,
349.487

■ 44, 36.231,
347.995

■ 48, 28.851,
346.727

■ 52, 21.198,
345.623

■ 56, 13.486,

344.642

■ 60, 5.860, 343.737

Harmonies

Complementary

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



33, 58.045, 359.738



56, 60.449, 149.478

Rectangle

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



33, 58.045, 359.738



33, 58.045, 49.738



33, 58.045, 179.738



33, 58.045, 229.738

Sweetspot

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



33, 58.042, 359.739



66, 27.490, 345.806



24, 84.868, 311.742



33, 19.029, 346.239



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



33, 58.042, 359.739



43, 71.034, 1.411



32, 69.625, 38.341



30, 4.210, 343.861



30, 54.522, 0.126



1, 4.476, 343.617

Inverse Universe

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



33, 58.042, 359.739



43, 71.034, 1.411



57, 34.687, 193.950



30, 4.210, 343.861



30, 54.522, 0.126



1, 4.476, 343.617

Previews

White Background



This preview shows how the CIELCh color 33, 58.045, 359.738 looks on a white background.

Color Contrast Check

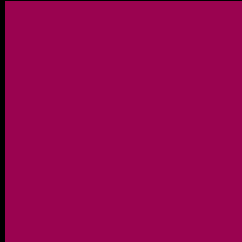
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.045, 359.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

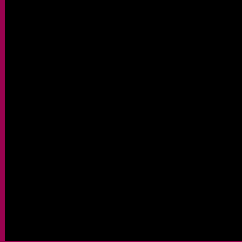
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 58.045, 359.738

Background



This preview shows how black text looks on a background with the CIELCh color 33, 58.045, 359.738.



This preview shows how white text looks on a background with the CIELCh color 33, 58.045, 359.738.

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, 58.045, 359.738

Protanopia

34, 23.296, 285.537

Deuteranopia

34, 6.387, 43.038



Tritanopia
34, 57.859, 32.907

Trichromacy



Original Color
33, 58.045, 359.738

Protanomaly
30, 37.257, 325.191

Deuteranomaly
31, 30.824, 356.226

Tritanomaly
33, 56.196, 21.099

Monochromacy



Original Color
33, 58.045, 359.738

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 29.205, 349.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 58.045, 359.738 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(154, 3, 80)` looks like.

```
.text, #text, p{  
    color:rgb(154, 3, 80)  
}
```

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(154, 3, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 3, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 58.045, 359.738 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(154, 3, 80) }
```

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

```
.border{ border-color:rgb(154, 3, 80) }
```

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

Here you see how a box with a 4 pixel rgb(154, 3, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 3, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 3, 80);  
box-shadow:4px 4px 4px 4px rgb(154, 3, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 58.045, 359.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 3, 80) }
```

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

```
.background{ background-color: rgb(154, 3,  
80) }
```

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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