

Converting Colors

CIELCh(33, 58.642, 33.275)

Have a look what the booklet for
CIELCh(33, 58.642, 33.275) contains.

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Color

CIELCh(33, 58.606, 33.051)

Conversions

Conversions Part 1

Format	Color
Hex	971D1E
RGB	151, 29, 30
RGB Percent	59%, 11%, 12%
CMY	0.4082, 0.8866, 0.8826
CMYK	0.00, 0.81, 0.80, 0.41
HSL	359°, 68%, 35%
HSV	359°, 81%, 59%
XYZ	13.4153, 7.5373, 1.9717
YIQ	65.5920, 72.3910, 26.1750

Conversions

Conversions Part 2

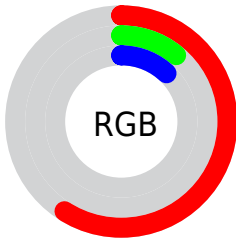
Format	Color
R_{YB}	151, 29, 30
Decimal	9903390
CIE _{Lab}	33.00, 49.12, 31.96
CIE _{LCh}	33, 58.606, 33.051
Yxy	7.5373, 0.5852, 0.3288
Android (android.graphics.Color)	4288093470 (0xFF971D1E)
YUV	65.5920, -17.5469, 74.9028
Hunter-Lab	27.4541, 39.1781, 14.9598

Details

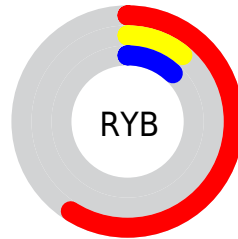
The CIELCh color **33, 58.606, 33.051** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **57, 32.301, 195.456**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 58.414, 33.032**, and **17, 46.147, 34.492** is the 20% darker color. If you saturate the color by 10%, you get **32, 65.147, 36.595**, and if you desaturate by 10%, it is **35, 51.125, 29.639**.

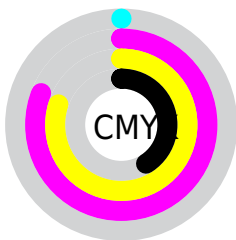
Distribution



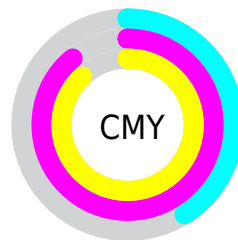
- Red (59%)
- Green (11%)
- Blue (12%)



- Red (59%)
- Yellow (11%)
- Blue (12%)



- Cyan (0%)
- Magenta (81%)
- Yellow (80%)
- Black (41%)



- Cyan (41%)
- Magenta (89%)
- Yellow (88%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 58.606, 33.051 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, 58.606, 33.051 by changing the saturation by 10% instead.

■ 33, 58.606, 33.051

■ 33, 58.606, 33.051

■ 100, 58.606,
33.051

■ 23, 58.606, 33.051

■ 53, 58.606, 33.051

■ 13, 58.606, 33.051

■ 63, 58.606, 33.051

■ 3, 58.606, 33.051

■ 73, 58.606, 33.051

■ 0, 58.606, 33.051

■ 83, 58.606, 33.051

■ 93, 58.606, 33.051

■ 33, 58.606, 33.051

■ 33, 58.606, 33.051

■ 32, 65.147, 36.595

■ 35, 51.125, 29.639

31, 69.841, 39.126

38, 43.256, 26.754

41, 35.318, 24.453

45, 27.547, 22.663

49, 20.110, 21.279

53, 13.102, 20.203

58, 6.564, 19.340

62, 0.493, 17.850

67, 5.135, 198.326

Harmonies

Complementary

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



33, 58.606, 33.051



57, 32.301, 195.456

Rectangle

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



33, 58.606, 33.051



33, 58.606, 83.051



33, 58.606, 213.051



33, 58.606, 263.051

Sweetspot

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



33, 58.604, 33.053



66, 18.950, 20.565



37, 72.583, 327.422



33, 13.281, 20.921



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, 58.604, 33.053



41, 83.868, 38.887



44, 48.060, 63.589



30, 3.438, 19.212



28, 65.828, 38.717



1, 3.596, 18.714

Inverse Universe

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



33, 58.604, 33.053



41, 83.868, 38.887



38, 37.921, 273.277



30, 3.438, 19.212



28, 65.828, 38.717



1, 3.596, 18.714

Previews

White Background



This preview shows how the CIELCh color 33, 58.606, 33.051 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, 58.606, 33.051 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, 58.606, 33.051

Background



This preview shows how black text looks on a background with the CIELCh color 33, 58.606, 33.051.



This preview shows how white text looks on a background with the CIELCh color 33, 58.606, 33.051.

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, 58.606, 33.051

Protanopia

34, 21.918, 95.914

Deuteranopia

34, 35.683, 82.629



Tritanopia
33, 58.893, 33.538

Trichromacy



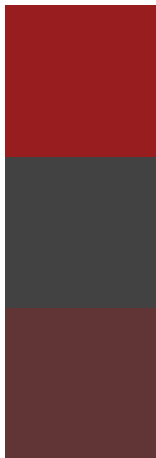
Original Color
33, 58.606, 33.051

Protanomaly
31, 29.741, 49.743

Deuteranomaly
32, 40.605, 53.703

Tritanomaly
33, 58.893, 33.538

Monochromacy



Original Color
33, 58.606, 33.051

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 21.500, 23.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 58.606, 33.051 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(151, 29, 30)` looks like.

```
.text, #text, p{  
    color:rgb(151, 29, 30)  
}
```

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(151, 29, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 29, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 58.606, 33.051 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(151, 29, 30) }
```

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

```
.border{ border-color:rgb(151, 29, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 29, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 29, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 29, 30);  
box-shadow:4px 4px 4px 4px rgb(151, 29,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 58.606, 33.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 29, 30) }
```

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

```
.background{ background-color: rgb(151, 29,  
30) }
```

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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