

Converting Colors

CIELCh(33, 58.000, 17.393)

Have a look what the booklet for
CIELCh(33, 58.000, 17.393) contains.

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Color

CIELCh(33, 58.181, 17.818)

Conversions

Conversions Part 1

Format	Color
Hex	9C0B35
RGB	156, 11, 53
RGB Percent	61%, 4%, 21%
CMY	0.3895, 0.9555, 0.7931
CMYK	0.00, 0.93, 0.66, 0.39
HSL	343°, 86%, 33%
HSV	343°, 93%, 61%
XYZ	14.4077, 7.5373, 4.0351
YIQ	59.1430, 72.9380, 43.8020

Conversions

Conversions Part 2

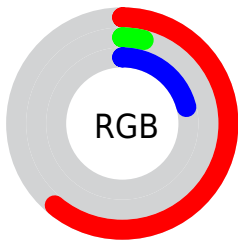
Format	Color
R _Y B	156, 11, 53
Decimal	10226485
CIE Lab	33.00, 55.39, 17.80
CIE LCh	33, 58.181, 17.818
Yxy	7.5373, 0.5546, 0.2901
Android (android.graphics.Color)	4288416565 (0xFF9C0B35)
YUV	59.1430, -3.0285, 84.9436
Hunter-Lab	27.4541, 45.6308, 10.5037

Details

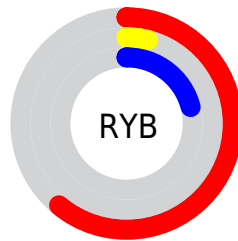
The CIELCh color **33, 58.181, 17.818** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **57, 46.086, 164.662**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 58.626, 17.745**, and **18, 46.577, 31.524** is the 20% darker color. If you saturate the color by 10%, you get **32, 60.763, 21.455**, and if you desaturate by 10%, it is **34, 54.294, 13.161**.

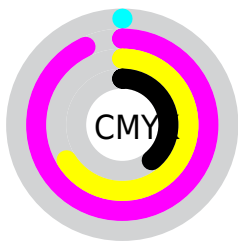
Distribution



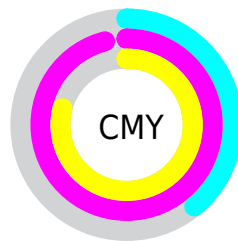
- Red (61%)
- Green (4%)
- Blue (21%)



- Red (61%)
- Yellow (4%)
- Blue (21%)



- Cyan (0%)
- Magenta (93%)
- Yellow (66%)
- Black (39%)



- Cyan (39%)
- Magenta (96%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 58.181, 17.818 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, 58.181, 17.818 by changing the saturation by 10% instead.

■ 33, 58.181, 17.818

■ 33, 58.181, 17.818

■ 100, 58.181,
17.818

■ 23, 58.181, 17.818

■ 53, 58.181, 17.818

■ 13, 58.181, 17.818

■ 63, 58.181, 17.818

■ 3, 58.181, 17.818

■ 73, 58.181, 17.818

■ 0, 58.181, 17.818

■ 83, 58.181, 17.818

■ 93, 58.181, 17.818

■ 33, 58.181, 17.818

■ 33, 58.181, 17.818

■ 32, 60.763, 21.455

■ 34, 54.294, 13.161

■ 36, 49.363, 9.379

■ 39, 43.454, 6.373

■ 42, 36.821, 3.986

■ 46, 29.770, 2.066

■ 50, 22.573, 0.492

■ 54, 15.430,
359.173

■ 59, 8.471, 358.036

■ 63, 1.768, 356.890

Harmonies

Complementary

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



33, 58.181, 17.818



57, 46.086, 164.662

Rectangle

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



33, 58.181, 17.818



33, 58.181, 67.818



33, 58.181, 197.818



33, 58.181, 247.818

Sweetspot

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



33, 58.178, 17.820



66, 23.703, 359.916



30, 80.372, 317.836



33, 16.589, 0.475



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, 58.178, 17.820



42, 74.058, 22.655



35, 63.560, 43.142



31, 3.791, 357.670



29, 56.904, 20.985



1, 4.832, 357.917

Inverse Universe

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



33, 58.178, 17.820



42, 74.058, 22.655



49, 29.757, 232.466



31, 3.791, 357.670



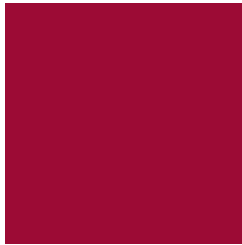
29, 56.904, 20.985



1, 4.832, 357.917

Previews

White Background



This preview shows how the CIELCh color 33, 58.181, 17.818 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, 58.181, 17.818 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, 58.181, 17.818

Background



This preview shows how black text looks on a background with the CIELCh color 33, 58.181, 17.818.



This preview shows how white text looks on a background with the CIELCh color 33, 58.181, 17.818.

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, 58.301, 17.712

Protanopia

34, 2.059, 84.649

Deuteranopia

34, 21.618, 77.770



Tritanopia
33, 63.835, 35.942

Trichromacy



Original Color
33, 58.301, 17.712

Protanomaly
30, 25.628, 6.440

Deuteranomaly
31, 33.011, 29.985

Tritanomaly
33, 61.052, 29.866

Monochromacy



Original Color
33, 58.301, 17.712

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 25.552, 3.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 58.181, 17.818 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(156, 11, 53)` looks like.

```
.text, #text, p{  
    color:rgb(156, 11, 53)  
}
```

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(156, 11, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 11, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 58.181, 17.818 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(156, 11, 53) }
```

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

```
.border{ border-color:rgb(156, 11, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 11, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 11, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 11, 53);  
box-shadow:4px 4px 4px 4px rgb(156, 11,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 58.181, 17.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 11, 53) }
```

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

```
.background{ background-color: rgb(156, 11,  
53) }
```

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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