

# Converting Colors

XYZ(33.1283, 38.7200, 27.9832)

Have a look what the booklet for  
XYZ(33.1283, 38.7200, 27.9832)  
contains.

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# Color

**XYZ(33.0818, 38.7487,  
27.9259)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DAD85
RGB	157, 173, 133
RGB Percent	62%, 68%, 52%
CMY	0.3843, 0.3216, 0.4784
CMYK	0.09, 0.00, 0.23, 0.32
HSL	84°, 20%, 60%
HSV	84°, 23%, 68%
XYZ	33.0818, 38.7487, 27.9259
YIQ	163.6560, 3.3040, -15.8320

# Conversions

## Conversions Part 2

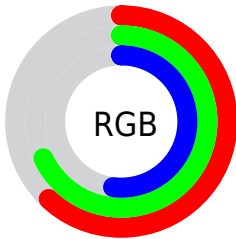
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">133, 173, 149</a>
Decimal	<a href="#">10333573</a>
CIELab	<a href="#">68.57, -12.81, 18.74</a>
CIElCh	<a href="#">69, 22.697, 124.357</a>
Yxy	<a href="#">38.7487, 0.3316, 0.3884</a>
Android (android.graphics.Color)	<a href="#">4288523653 (0xFF9DAD85)</a>
YUV	<a href="#">163.6560, -15.1134, -5.8373</a>
Hunter-Lab	<a href="#">62.2485, -14.0714, 16.9752</a>

# Details

The XYZ color **33.0818, 38.7487, 27.9259** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.3264, 26.1828, 43.0981**, and the grayscale version is **35.1924, 37.0251, 40.3204**.

A 20% lighter version of the original color is **63.7577, 73.0290, 57.1900**, and **14.2244, 17.3025, 10.7736** is the 20% darker color. If you saturate the color by 10%, you get **30.6716, 37.6343, 22.0795**, and if you desaturate by 10%, it is **35.7674, 39.9847, 34.8144**.

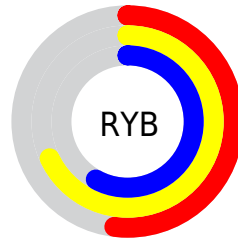
# Distribution



Red (62%)

Green (68%)

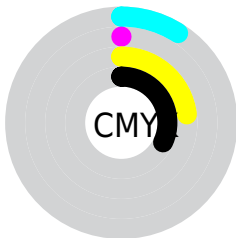
Blue (52%)



Red (52%)

Yellow (68%)

Blue (58%)

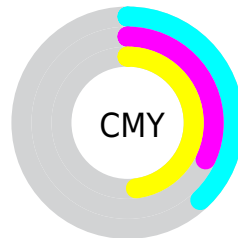


Cyan (9%)

Magenta (0%)

Yellow (23%)

Black (32%)



Cyan (38%)

Magenta (32%)


Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0818, 38.7487, 27.9259 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 XYZ color 33.0818, 38.7487, 27.9259 by changing the saturation by 10% instead.





 33.0818, 38.7487,  
27.9259


 33.0818, 38.7487,  
27.9259


307.6766,  
340.8209, 306.0135


 22.3487, 26.5643,  
18.0313


 63.8570, 73.2543,  
57.3878

 14.2313, 17.2463,  
10.8028


 84.6298, 96.3442,  
77.7921

 8.3645, 10.4102,  
5.8219


 109.4799,  
123.8381, 102.5368

 4.3828, 5.6718,  
2.6700

138.7726,  
156.1204, 132.0402

 1.9209, 2.6466,  
0.9283

172.8733,  
193.5754, 166.7211

 0.5889, 0.9501,  
0.0000

212.1472,

 0.0000, 0.0000,

236.5875, 206.9979

0.0000

256.9599,  
285.5412, 253.2892

■ 33.0818, 38.7487,  
27.9259

■ 33.0818, 38.7487,  
27.9259

■ 30.6716, 37.6343,  
22.0795

■ 35.7674, 39.9847,  
34.8144

■ 28.5230, 36.6319,  
17.2220

■ 38.7357, 41.3414,  
42.7899

■ 26.6251, 35.7384,  
13.2992

■ 41.9972, 42.8246,  
51.8976

■ 24.9653, 34.9485,  
10.2506

■ 45.5610, 44.4379,  
62.1793

■ 23.5293, 34.2563,  
8.0087

■ 49.4359, 46.1851,  
73.6750

■ 22.3011, 33.6554,  
6.4961

■ 53.6301, 48.0695,  
86.4224

■ 21.2617, 33.1379,  
5.6202

■ 58.1516, 50.0944,  
100.4579

■ 20.6290, 32.8193,  
5.2475

■ 60.2529, 51.1611,  
101.3071

■ 62.2959, 52.2143,  
101.4028

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.3093, 38.7487, 25.4363



33.0818, 38.7487, 27.9259



30.9690, 38.7487, 34.2255

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.0818, 38.7487, 27.9259



33.9317, 38.7487, 62.5623



44.1240, 38.7487, 40.7116

# Complementary

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



33.0818, 38.7487, 27.9259



28.3264, 26.1828, 43.0981

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.3862, 38.7487, 51.3049



33.0818, 38.7487, 27.9259



37.3546, 38.7487, 65.0439

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.0818, 38.7487, 27.9259



31.4370, 38.7487, 54.3154



40.8500, 38.7487, 60.6361



42.8059, 38.7487, 32.0197



# Rectangle

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



33.0818, 38.7487, 27.9259



30.3986, 38.7487, 40.2828



40.8500, 38.7487, 60.6361



44.1088, 38.7487, 44.1580

# Sweetspot

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



33.0828, 38.7504, 27.9267



67.1819, 73.0381, 70.6788



32.2161, 32.0739, 26.6837



14.5344, 15.8428, 15.1829



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



33.0828, 38.7504, 27.9267



56.8695, 68.2980, 44.1669



29.4949, 36.9008, 27.7588



8.3479, 9.1679, 8.5430



15.2200, 24.1433, 3.8579



0.4829, 0.7023, 0.1101



# Inverse Universe

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



28.3264, 26.1828, 43.0981



46.7747, 41.6199, 76.3739



32.2940, 28.2282, 43.2838



7.8708, 7.9077, 10.0642



7.4163, 3.1831, 29.2680



0.2691, 0.1209, 0.8171



# Previews

## White Background



This preview shows how the XYZ color 33.0818, 38.7487, 27.9259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

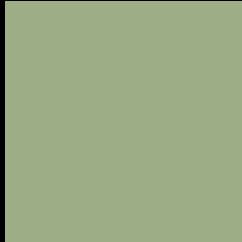
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.0818, 38.7487, 27.9259 looks on a black 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

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

**XYZ 33.0818, 38.7487, 27.9259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.0818, 38.7487, 27.9259.



This preview shows how white text looks on a background with the XYZ color 33.0818, 38.7487,



# 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

33.0818, 38.7487, 27.9259

### Protanopia

36.2081, 38.7141, 26.6833

### Deuteranopia

39.2629, 38.3885, 28.6329



## Tritanopia

37.3668, 38.8252, 48.7046

# Trichromacy



## Original Color

33.0818, 38.7487, 27.9259

## Protanomaly

34.8623, 38.5607, 27.0782

## Deuteranomaly

36.8844, 38.4833, 28.4057

## Tritanomaly

35.4968, 38.5973, 40.2295

# Monochromacy



## Original Color

33.0818, 38.7487, 27.9259

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

34.2664, 37.5144, 35.5720

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.0818, 38.7487, 27.9259 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(157, 173, 133)` looks like.

```
.text, #text, p{  
    color:rgb(157, 173, 133)  
}
```

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(157, 173, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 173, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 33.0818, 38.7487, 27.9259 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(157, 173, 133) }
```



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

```
.border{ border-color:rgb(157, 173, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 173, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 173, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 173, 133);  
box-shadow:4px 4px 4px 4px rgb(157, 173,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.0818, 38.7487, 27.9259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 173, 133) }
```

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

```
.background{ background-color: rgb(157,  
173, 133) }
```

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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