

Converting Colors

XYZ(33.8113, 38.3758, 32.3685)

Have a look what the booklet for
XYZ(33.8113, 38.3758, 32.3685)
contains.

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Color

**XYZ(33.9718, 38.5411,
32.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	9FAB91
RGB	159, 171, 145
RGB Percent	62%, 67%, 57%
CMY	0.3765, 0.3294, 0.4314
CMYK	0.07, 0.00, 0.15, 0.33
HSL	88°, 13%, 62%
HSV	88°, 15%, 67%
XYZ	33.9718, 38.5411, 32.4367
YIQ	164.4480, 1.1940, -10.6300

Conversions

Conversions Part 2

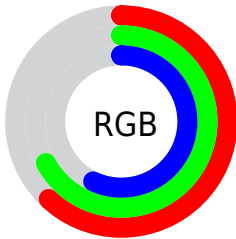
Format	Color
RYB	145, 171, 157
Decimal	10464145
CIELab	68.42, -9.03, 11.97
CIELCh	68, 14.997, 127.025
Yxy	38.5411, 0.3237, 0.3672
Android (android.graphics.Color)	4288654225 (0xFF9FAB91)
YUV	164.4480, -9.5879, -4.7779
Hunter-Lab	62.0815, -10.9650, 12.4788

Details

The XYZ color **33.9718, 38.5411, 32.4367** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3823, 30.3602, 42.7363**, and the grayscale version is **35.5449, 37.3960, 40.7243**.

A 20% lighter version of the original color is **65.2367, 72.8124, 64.6487**, and **14.7258, 17.1457, 13.3598** is the 20% darker color. If you saturate the color by 10%, you get **31.2358, 37.2728, 25.9360**, and if you desaturate by 10%, it is **37.0084, 39.9437, 39.9892**.

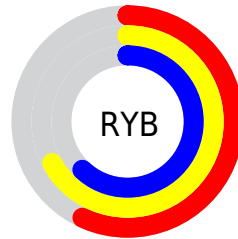
Distribution



Red (62%)

Green (67%)

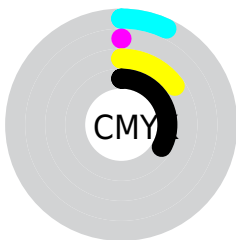
Blue (57%)



Red (57%)

Yellow (67%)

Blue (62%)

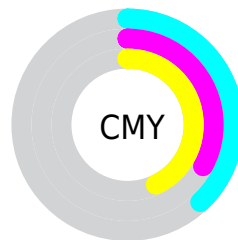


Cyan (7%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (38%)


Magenta (33%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9718, 38.5411, 32.4367 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 33.9718, 38.5411, 32.4367 by changing the saturation by 10% instead.


 33.9718, 38.5411,
32.4367


 33.9718, 38.5411,
32.4367


311.5944,
339.9355, 327.6576

 23.0347, 26.4029,
21.4277


 65.2344, 72.9367,
64.6009

 14.7400, 17.1253,
13.2427


 86.2906, 95.9630,
86.5932

 8.7222, 10.3239,
7.4632


111.4506,
123.3874, 113.0837

 4.6161, 5.6142,
3.6706

141.0797,
155.5944, 144.4909

 2.0562, 2.6120,
1.4464

175.5433,
192.9683, 181.2333

 0.6653, 0.9327,
0.1776

215.2067,

 0.0000, 0.0000,

235.8935, 223.7296

0.0000

260.4353,
284.7544, 272.3981

■ 33.9718, 38.5411,
32.4367

■ 33.9718, 38.5411,
32.4367

■ 31.2358, 37.2728,
25.9360

■ 37.0084, 39.9437,
39.9892

■ 28.7865, 36.1293,
20.4378

■ 40.3526, 41.4798,
48.6347

■ 26.6137, 35.1076,
15.8930

■ 44.0150, 43.1551,
58.4152

■ 24.7049, 34.2023,
12.2469

■ 48.0047, 44.9735,
69.3700

■ 23.0469, 33.4080,
9.4396

■ 52.3304, 46.9387,
81.5361

■ 21.6247, 32.7184,
7.4036

■ 57.0005, 49.0542,
94.9492

■ 20.4215, 32.1266,
6.0614

■ 60.4208, 50.6825,
101.2059

■ 19.4166, 31.6240,
5.3161

■ 62.7846, 51.9011,
101.3165

■ 18.9838, 31.4060,
5.0614

■ 65.2618, 53.1781,
101.4325

Harmonies

Analogous

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



36.0810, 38.5411, 30.3617



33.9718, 38.5411, 32.4367



32.6182, 38.5411, 37.1022

Triad

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



33.9718, 38.5411, 32.4367



34.8924, 38.5411, 55.0767



41.3141, 38.5411, 40.3981

Complementary

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



33.9718, 38.5411, 32.4367



31.3823, 30.3602, 42.7363

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.



40.9626, 38.5411, 47.2345



33.9718, 38.5411, 32.4367



37.1889, 38.5411, 56.2010

Square

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



33.9718, 38.5411, 32.4367



33.1336, 38.5411, 50.2707



39.4279, 38.5411, 53.1967



40.3687, 38.5411, 34.6280

Rectangle

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



33.9718, 38.5411, 32.4367



32.2924, 38.5411, 41.2950



39.4279, 38.5411, 53.1967



41.3443, 38.5411, 42.6416

Sweetspot

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



33.9728, 38.5428, 32.4375



66.3438, 71.5642, 71.7853



33.9132, 34.7162, 31.7021



14.7082, 15.9192, 15.7886



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.



33.9728, 38.5428, 32.4375



59.2584, 68.2919, 54.2694



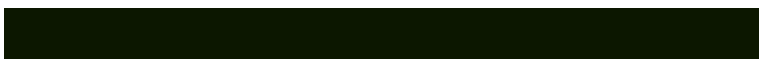
31.5824, 37.3104, 32.3257



8.3008, 9.1437, 8.5408



14.3715, 23.7059, 3.8182



0.4620, 0.6916, 0.1091

Inverse Universe

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



31.3823, 30.3602, 42.7363



53.7890, 51.0156, 76.0139



33.9903, 31.7047, 42.8583



7.9171, 7.9316, 10.0664



8.0277, 3.4983, 29.2966



0.2869, 0.1301, 0.8180

Previews

White Background



This preview shows how the XYZ color 33.9718, 38.5411, 32.4367 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 33.9718, 38.5411, 32.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

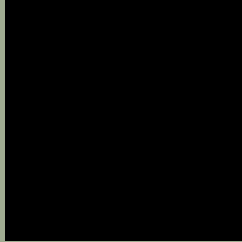
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9718, 38.5411, 32.4367

Background



This preview shows how black text looks on a background with the XYZ color 33.9718, 38.5411, 32.4367.



This preview shows how white text looks on a background with the XYZ color 33.9718, 38.5411,

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

33.9718, 38.5411, 32.4367

Protanopia

36.2733, 38.3696, 31.4809

Deuteranopia

39.2465, 38.5435, 32.9749



Tritanopia

37.0827, 38.4196, 48.1091

Trichromacy



Original Color

33.9718, 38.5411, 32.4367

Protanomaly

35.3989, 38.4539, 31.9422

Deuteranomaly

37.2338, 38.5693, 32.6763

Tritanomaly

35.8780, 38.4767, 42.0950

Monochromacy



Original Color

33.9718, 38.5411, 32.4367

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.8048, 37.7531, 37.3510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9718, 38.5411, 32.4367 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(159, 171, 145)` looks like.

```
.text, #text, p{  
    color:rgb(159, 171, 145)  
}
```

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(159, 171, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 171, 145) }
```

Border

The CSS property to change the border of an element to XYZ 33.9718, 38.5411, 32.4367 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(159, 171, 145) }
```


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

```
.border{ border-color:rgb(159, 171, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 171, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 171, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 171, 145);  
box-shadow:4px 4px 4px 4px rgb(159, 171,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9718, 38.5411, 32.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 171, 145) }
```

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

```
.background{ background-color: rgb(159,  
171, 145) }
```

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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