

Converting Colors

XYZ(33.3889, 38.2476, 32.0669)

Have a look what the booklet for
XYZ(33.3889, 38.2476, 32.0669)
contains.

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Color

**XYZ(33.3073, 38.2074,
32.0048)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9CAB90 |
| RGB | 156, 171, 144 |
| RGB Percent | 61%, 67%, 56% |
| CMY | 0.3882, 0.3294, 0.4353 |
| CMYK | 0.09, 0.00, 0.16, 0.33 |
| HSL | 93°, 14%, 62% |
| HSV | 93°, 16%, 67% |
| XYZ | 33.3073, 38.2074, 32.0048 |
| YIQ | 163.4370, -0.2730, -11.5770 |

Conversions

Conversions Part 2

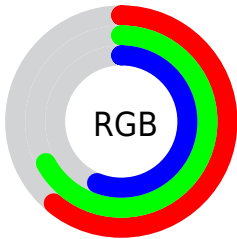
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 144, 171, 159 |
| Decimal | 10267536 |
| CIELab | 68.17, -10.31, 12.15 |
| CIELCh | 68, 15.931, 130.312 |
| Yxy | 38.2074, 0.3217, 0.3691 |
| Android (android.graphics.Color) | 4288457616 (0xFF9CAB90) |
| YUV | 163.4370, -9.5824, -6.5222 |
| Hunter-Lab | 61.8121, -11.9870, 12.5696 |

Details

The XYZ color **33.3073, 38.2074, 32.0048** is a light color, and the websafe version is hex **999966**. A complement of this color would be **31.6235, 30.2587, 42.7039**, and the grayscale version is **35.0643, 36.8904, 40.1737**.

A 20% lighter version of the original color is **64.2534, 72.3188, 63.9985**, and **14.4429, 17.0051, 13.1108** is the 20% darker color. If you saturate the color by 10%, you get **30.3311, 36.8140, 25.5520**, and if you desaturate by 10%, it is **36.6274, 39.7575, 39.5088**.

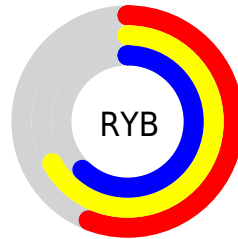
Distribution



Red (61%)

Green (67%)

Blue (56%)



Red (56%)

Yellow (67%)

Blue (62%)

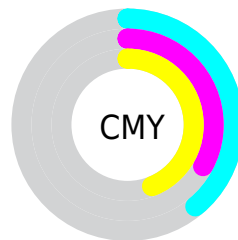


Cyan (9%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (39%)


Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3073, 38.2074, 32.0048 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 33.3073, 38.2074, 32.0048 by changing the saturation by 10% instead.

 33.3073, 38.2074,
32.0048


 33.3073, 38.2074,
32.0048


308.6727,
338.5088, 325.6345

 22.5223, 26.1437,
21.1003


 64.2065, 72.4259,
63.9166

 14.3599, 16.9312,
13.0054

 85.0514, 95.3495,
85.7610

 8.4548, 10.1854,
7.3015

109.9803,
122.6619, 112.0891

 4.4416, 5.5221,
3.5701

139.3586,
154.7474, 143.3195

 1.9548, 2.5567,
1.3926

173.5517,
191.9904, 179.8707

 0.6084, 0.9050,
0.1359

212.9248,

 0.0000, 0.0000,

234.7754, 222.1613

0.0000

257.8434,
283.4868, 270.6097

■ 33.3073, 38.2074,
32.0048

■ 33.3073, 38.2074,
32.0048

■ 30.3311, 36.8140,
25.5520

■ 36.6274, 39.7575,
39.5088

■ 27.6836, 35.5671,
20.1010

■ 40.2999, 41.4642,
48.1053

■ 25.3529, 34.4627,
15.6021


■ 44.3365, 43.3340,
57.8368


■ 23.3250, 33.4949,
12.0005


■ 48.7479, 45.3713,
68.7424


■ 21.5849, 32.6572,
9.2357


■ 53.5439, 47.5805,
80.8597


 20.1158, 31.9426,
7.2398


 58.7341, 49.9657,
94.2242


 18.8989, 31.3429,
5.9342

 62.8942, 51.9575,
101.3217

 17.9107, 30.8482,
5.2170

 65.8959, 53.5050,
101.4621

 17.5435, 30.6635,
4.9940

 69.0643, 55.1384,
101.6104

Harmonies

Analogous

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



35.4654, 38.2074, 29.5260



33.3073, 38.2074, 32.0048



31.9947, 38.2074, 37.1545

Triad

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



33.3073, 38.2074, 32.0048



34.7271, 38.2074, 55.8795



41.2276, 38.2074, 39.1968

Complementary

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



33.3073, 38.2074, 32.0048



31.6235, 30.2587, 42.7039

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.



41.0077, 38.2074, 46.3896



33.3073, 38.2074, 32.0048



37.1781, 38.2074, 56.5880

Square

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



33.3073, 38.2074, 32.0048



32.7881, 38.2074, 51.1089



39.4985, 38.2074, 52.9468



40.0861, 38.2074, 33.3527

Rectangle

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



33.3073, 38.2074, 32.0048



31.7384, 38.2074, 41.6761



39.4985, 38.2074, 52.9468



41.3116, 38.2074, 41.5268

Sweetspot

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



33.3083, 38.2091, 32.0056



66.0354, 71.4052, 71.7709



34.2025, 35.4177, 31.4197



14.6306, 15.8791, 15.7849



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.



33.3083, 38.2091, 32.0056



57.6912, 67.5102, 53.0093



31.2035, 37.1120, 32.4491



8.2297, 9.1070, 8.5374



13.2833, 23.1449, 3.7673



0.4331, 0.6766, 0.1078

Inverse Universe

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



31.6235, 30.2587, 42.7039



54.0860, 50.4999, 75.8987



33.9919, 31.4945, 42.1463



7.9884, 7.9683, 10.0697



9.1611, 4.0826, 29.3497



0.3165, 0.1453, 0.8194

Previews

White Background



This preview shows how the XYZ color 33.3073, 38.2074, 32.0048 looks on a white background.

Color Contrast Check

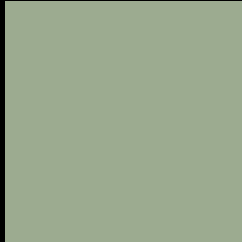
Large Text (above 18pt) WCAG AA × Fail

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 33.3073, 38.2074, 32.0048 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 33.3073, 38.2074, 32.0048

Background



This preview shows how black text looks on a background with the XYZ color 33.3073, 38.2074, 32.0048.



This preview shows how white text looks on a background with the XYZ color 33.3073, 38.2074,

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

33.3073, 38.2074, 32.0048

Protanopia

36.1231, 38.3095, 30.6899

Deuteranopia

38.7454, 38.0358, 32.4937



Tritanopia

36.4708, 38.1042, 48.0804

Trichromacy



Original Color

33.3073, 38.2074, 32.0048

Protanomaly

35.0336, 38.2831, 31.1341

Deuteranomaly

36.5178, 37.9424, 32.1870

Tritanomaly

35.1836, 38.1294, 41.5817

Monochromacy



Original Color

33.3073, 38.2074, 32.0048

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1342, 37.1463, 36.8234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3073, 38.2074, 32.0048 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, 171, 144)` looks like.

```
.text, #text, p{  
    color:rgb(156, 171, 144)  
}
```

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, 171, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 171, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.3073, 38.2074, 32.0048 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, 171, 144) }
```


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

```
.border{ border-color:rgb(156, 171, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 171, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 171, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 171, 144);  
box-shadow:4px 4px 4px 4px rgb(156, 171,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3073, 38.2074, 32.0048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 171, 144) }
```

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

```
.background{ background-color: rgb(156,  
171, 144) }
```

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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