

Converting Colors

XYZ(32.3881, 33.5137, 41.9374)

Have a look what the booklet for
XYZ(32.3881, 33.5137, 41.9374)
contains.

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Color

**XYZ(32.2828, 33.4741,
41.8055)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9CA8
RGB	154, 156, 168
RGB Percent	60%, 61%, 66%
CMY	0.3961, 0.3882, 0.3412
CMYK	0.08, 0.07, 0.00, 0.34
HSL	231°, 7%, 63%
HSV	231°, 8%, 66%
XYZ	32.2828, 33.4741, 41.8055
YIQ	156.7700, -5.0440, 3.3080

Conversions

Conversions Part 2

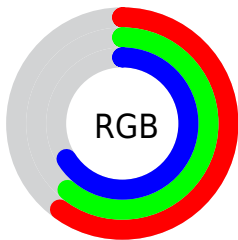
Format	Color
RYB	154, 156, 168
Decimal	10132648
CIELab	64.54, 1.69, -6.50
CIELCh	65, 6.712, 284.576
Yxy	33.4741, 0.3001, 0.3112
Android (android.graphics.Color)	4288322728 (0xFF9A9CA8)
YUV	156.7700, 5.5364, -2.4293
Hunter-Lab	57.8568, -1.6504, -2.3413

Details

The XYZ color **32.2828, 33.4741, 41.8055** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.6176, 37.9302, 36.0165**, and the grayscale version is **31.9228, 33.5853, 36.5744**.

A 20% lighter version of the original color is **62.3783, 64.8308, 79.0379**, and **13.7975, 14.2477, 18.5459** is the 20% darker color. If you saturate the color by 10%, you get **27.0321, 27.3916, 40.9087**, and if you desaturate by 10%, it is **38.2695, 40.3630, 42.8202**.

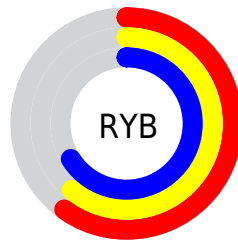
Distribution



Red (60%)

Green (61%)

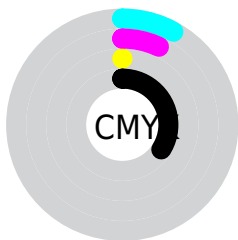
Blue (66%)



Red (60%)

Yellow (61%)

Blue (66%)

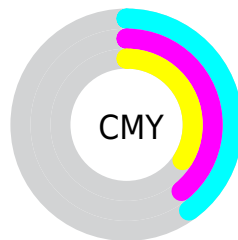


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (34%)



Cyan (40%)

Magenta (39%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2828, 33.4741, 41.8055 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 32.2828, 33.4741, 41.8055 by changing the saturation by 10% instead.

■ 32.2828, 33.4741,
41.8055

■ 32.2828, 33.4741,
41.8055

304.1279,
317.7807, 369.4519

■ 21.7342, 22.4899,
28.6246

■ 62.6164, 65.1150,
79.1721

■ 13.7772, 14.2173,
18.5539

■ 83.1320, 86.5405,
104.1948

■ 8.0465, 8.2720,
11.1748

107.7008,
112.2152, 134.0020

■ 4.1768, 4.2695,
6.0689

136.6880,
142.5235, 169.0120

■ 1.8026, 1.8254,
2.8176

170.4589,
177.8498, 209.6434

■ 0.5193, 0.5029,
1.0022

209.3790,

■ 0.0000, 0.0000,

218.5785, 256.3149

0.0000

253.8135,
265.0940, 309.4448

■ 32.2828, 33.4741,
41.8055

■ 32.2828, 33.4741,
41.8055

■ 27.0321, 27.3916,
40.9087

■ 38.2695, 40.3630,
42.8202

■ 22.4858, 22.0817,
40.1234

■ 45.0159, 48.0818,
43.9545

■ 18.6148, 17.5145,
39.4459

■ 52.5488, 56.6587,
45.2130

■ 15.3864, 13.6568,
38.8714

■ 60.8922, 66.1189,
46.5992

■ 12.7654, 10.4724,
38.3949

■ 70.0697, 76.4868,
48.1167

■ 10.7131, 7.9222,
38.0109

■ 80.1033, 87.7858,
49.7688

■ 9.1863, 5.9629,
37.7131

■ 84.0680, 95.6072,
51.0695

■ 8.1353, 4.5454,
37.4949

■ 7.4819, 3.6030,
37.3475

Harmonies

Analogous

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



31.3278, 33.4741, 41.7833



32.2828, 33.4741, 41.8055



33.1290, 33.4741, 40.3433

Triad

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



32.2828, 33.4741, 41.8055



33.1488, 33.4741, 32.8627



30.0702, 33.4741, 35.0600

Complementary

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



32.2828, 33.4741, 41.8055



35.6176, 37.9302, 36.0165

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.



30.5384, 33.4741, 32.8111



32.2828, 33.4741, 41.8055



32.3095, 33.4741, 31.5866

Square

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



32.2828, 33.4741, 41.8055



33.6357, 33.4741, 35.1337



31.3540, 33.4741, 31.5682



30.0634, 33.4741, 37.7939

Rectangle

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



32.2828, 33.4741, 41.8055



33.5121, 33.4741, 38.7639



31.3540, 33.4741, 31.5682



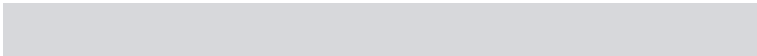
30.1784, 33.4741, 34.2254

Sweetspot

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



32.2838, 33.4755, 41.8062



65.2633, 68.4413, 76.9958



34.2034, 37.6254, 41.4886



14.2523, 14.9492, 16.7864



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



32.2838, 33.4755, 41.8062



56.7204, 58.5940, 75.5454



32.9024, 33.2998, 41.7397



7.2152, 7.4673, 9.4794



5.6083, 2.6768, 28.1966



0.1615, 0.1153, 0.6944

Inverse Universe

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



33.7056, 33.8371, 36.2088



59.8387, 59.4012, 63.2660



34.9607, 38.1361, 36.0909



7.5732, 7.5591, 8.0697



12.3314, 6.3413, 1.2909



0.3127, 0.1593, 0.0981

Previews

White Background



This preview shows how the XYZ color 32.2828, 33.4741, 41.8055 looks on a white background.

Color Contrast Check

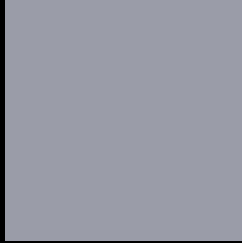
Large Text (above 18pt) WCAG AA × Fail

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 32.2828, 33.4741, 41.8055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

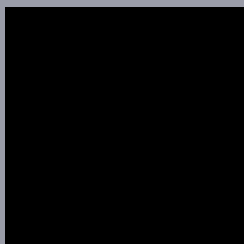
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

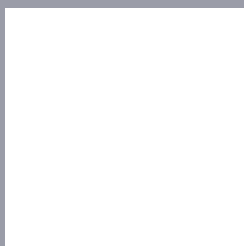
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2828, 33.4741, 41.8055

Background



This preview shows how black text looks on a background with the XYZ color 32.2828, 33.4741, 41.8055.

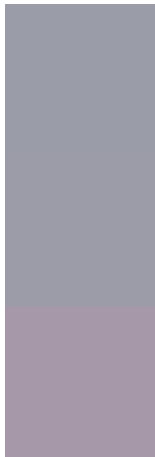


This preview shows how white text looks on a background with the XYZ color 32.2828, 33.4741,

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

32.2828, 33.4741, 41.8055

Protanopia

32.4995, 33.3378, 41.7677

Deuteranopia

34.1156, 33.4280, 42.1903



Tritanopia

32.2828, 33.4741, 41.8055

Trichromacy



Original Color

32.2828, 33.4741, 41.8055

Protanomaly

32.3068, 33.2384, 41.7587

Deuteranomaly

33.4530, 33.3284, 42.2060

Tritanomaly

32.2828, 33.4741, 41.8055

Monochromacy



Original Color

32.2828, 33.4741, 41.8055

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.2003, 33.7551, 38.5365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2828, 33.4741, 41.8055 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(154, 156, 168)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 168)  
}
```

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(154, 156, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 168) }
```

Border

The CSS property to change the border of an element to XYZ 32.2828, 33.4741, 41.8055 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(154, 156, 168) }
```


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

```
.border{ border-color:rgb(154, 156, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 168);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2828, 33.4741, 41.8055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 168) }
```

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

```
.background{ background-color: rgb(154,  
156, 168) }
```

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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