

Converting Colors

XYZ(33.4568, 32.4238, 35.9666)

Have a look what the booklet for
XYZ(33.4568, 32.4238, 35.9666)
contains.

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Color

**XYZ(33.5428, 32.5531,
35.9680)**

Conversions

Conversions Part 1

Format	Color
Hex	AB959C
RGB	171, 149, 156
RGB Percent	67%, 58%, 61%
CMY	0.3294, 0.4157, 0.3882
CMYK	0.00, 0.13, 0.09, 0.33
HSL	341°, 12%, 63%
HSV	341°, 13%, 67%
XYZ	33.5428, 32.5531, 35.9680
YIQ	156.3760, 10.8650, 6.8410

Conversions

Conversions Part 2

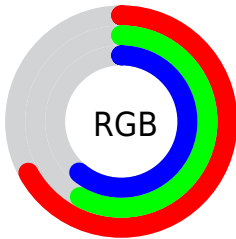
Format	Color
RYB	171, 149, 156
Decimal	11244956
CIELab	63.80, 9.38, -0.67
CIElCh	64, 9.408, 355.894
Yxy	32.5531, 0.3286, 0.3189
Android (android.graphics.Color)	4289435036 (0xFFAB959C)
YUV	156.3760, -0.1854, 12.8252
Hunter-Lab	57.0553, 5.0933, 2.5620

Details

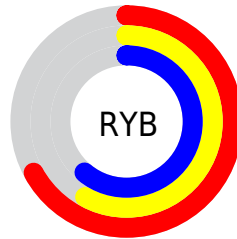
The XYZ color **33.5428, 32.5531, 35.9680** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.6594, 38.1966, 40.7224**, and the grayscale version is **31.7661, 33.4204, 36.3948**.

A 20% lighter version of the original color is **64.3528, 63.5338, 69.8443**, and **14.5252, 13.6772, 15.2390** is the 20% darker color. If you saturate the color by 10%, you get **30.0931, 27.1586, 30.1782**, and if you desaturate by 10%, it is **37.4864, 38.7829, 42.3909**.

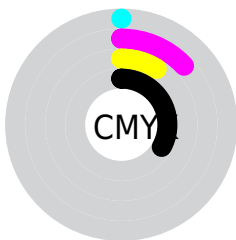
Distribution



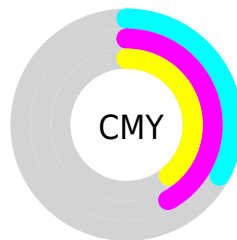
- Red (67%)
- Green (58%)
- Blue (61%)



- Red (67%)
- Yellow (58%)
- Blue (61%)



- Cyan (0%)
- Magenta (13%)
- Yellow (9%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5428, 32.5531, 35.9680 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 33.5428, 32.5531, 35.9680 by changing the saturation by 10% instead.

■ 33.5428, 32.5531,
35.9680

■ 33.5428, 32.5531,
35.9680

309.7105,
313.6311, 343.8538

■ 22.7038, 21.7843,
24.1200

■ 64.5711, 63.6772,
70.1512

■ 14.4944, 13.6985,
15.2096

■ 85.4911, 84.8013,
93.3234

■ 8.5494, 7.9113,
8.8184

110.5021,
110.1459, 121.1074

■ 4.5032, 4.0382,
4.5277

139.9696,
140.0955, 153.9218

■ 1.9905, 1.6950,
1.9191

174.2588,
175.0344, 192.1851

■ 0.6286, 0.4204,
0.5048

213.7351,

■ 0.0000, 0.0000,

215.3470, 236.3159

0.0000

258.7639,
261.4178, 286.7326

■ 33.5428, 32.5531,
35.9680

■ 33.5428, 32.5531,
35.9680

■ 30.0931, 27.1586,
30.1782

■ 37.4864, 38.7829,
42.3909

■ 27.1147, 22.5594,
24.9998

■ 41.9398, 45.8771,
49.4637

■ 24.5872, 18.7190,
20.4126

■ 46.9217, 53.8685,
57.2051

■ 22.4875, 15.5960,
16.3945

■ 52.4491, 62.7873,
65.6324

■ 20.7907, 13.1452,
12.9221

■ 58.5380, 72.6620,
74.7622

■ 19.4688, 11.3162,
9.9701

■ 65.2038, 83.5198,
84.6107

■ 18.4904, 10.0512,
7.5108

■ 67.9325, 86.3291,
93.6837

■ 17.8180, 9.2816,
5.5135

■ 69.6984, 87.0355,
102.9829

■ 17.4700, 8.9281,
4.3413

■ 70.6048, 87.3980,
107.7560

Harmonies

Analogous

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



33.0909, 32.5531, 39.6802



33.5428, 32.5531, 35.9680



33.2814, 32.5531, 32.3634

Triad

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



33.5428, 32.5531, 35.9680



29.8452, 32.5531, 29.2978



29.5389, 32.5531, 41.8126

Complementary

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



33.5428, 32.5531, 35.9680



33.6594, 38.1966, 40.7224

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.



28.7125, 32.5531, 38.7159



33.5428, 32.5531, 35.9680



28.8858, 32.5531, 31.5220

Square

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



33.5428, 32.5531, 35.9680



31.1229, 32.5531, 28.6758



28.4769, 32.5531, 34.9267



30.7593, 32.5531, 43.2031

Rectangle

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



33.5428, 32.5531, 35.9680



32.7416, 32.5531, 30.4759



28.4769, 32.5531, 34.9267



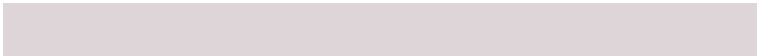
29.2071, 32.5531, 40.9264

Sweetspot

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



33.5437, 32.5545, 35.9687



66.2351, 68.0298, 74.4695



33.3404, 32.2938, 43.0046



14.6494, 14.9787, 16.4112



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.



33.5437, 32.5545, 35.9687



58.5112, 55.8483, 61.8249



33.5573, 33.5027, 33.1335



8.1063, 8.0558, 8.8706



13.1912, 6.7390, 3.3864



0.3922, 0.1976, 0.2271

Inverse Universe

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



33.5437, 32.5545, 35.9687



58.5112, 55.8483, 61.8249



33.6261, 37.0905, 43.9155



8.1063, 8.0558, 8.8706



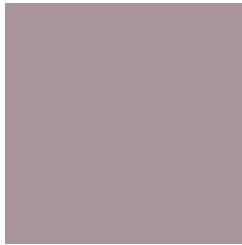
13.1912, 6.7390, 3.3864



0.3922, 0.1976, 0.2271

Previews

White Background



This preview shows how the XYZ color 33.5428, 32.5531, 35.9680 looks on a white background.

Color Contrast Check

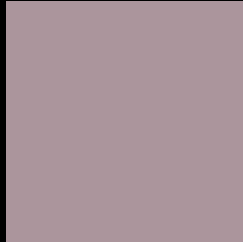
Large Text (above 18pt) WCAG AA × Fail

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 33.5428, 32.5531, 35.9680 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 33.5428, 32.5531, 35.9680

Background



This preview shows how black text looks on a background with the XYZ color 33.5428, 32.5531, 35.9680.



This preview shows how white text looks on a background with the XYZ color 33.5428, 32.5531,

35.9680.

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

33.5428, 32.5531, 35.9680

Protanopia

31.5239, 32.6823, 37.4477

Deuteranopia

33.2693, 32.6480, 36.0007



Tritanopia

33.9483, 32.4885, 37.7393

Trichromacy



Original Color

33.5428, 32.5531, 35.9680

Protanomaly

32.0977, 32.5022, 36.9296

Deuteranomaly

33.4847, 32.7590, 36.0108

Tritanomaly

33.8612, 32.4537, 37.2804

Monochromacy



Original Color

33.5428, 32.5531, 35.9680

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0899, 32.7598, 36.0844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5428, 32.5531, 35.9680 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(171, 149, 156)` looks like.

```
.text, #text, p{  
    color:rgb(171, 149, 156)  
}
```

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(171, 149, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 149, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.5428, 32.5531, 35.9680 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(171, 149, 156) }
```


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

```
.border{ border-color:rgb(171, 149, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 149, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 149, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 149, 156);  
box-shadow:4px 4px 4px 4px rgb(171, 149,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5428, 32.5531, 35.9680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 149, 156) }
```

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

```
.background{ background-color: rgb(171,  
149, 156) }
```

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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