

Converting Colors

XYZ(33.4502, 32.3569, 36.1434)

Have a look what the booklet for
XYZ(33.4502, 32.3569, 36.1434)
contains.

XYZ(33.3852, 32.2380, 35.9155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3852, 32.2380,
35.9155)**

Conversions

Conversions Part 1

Format	Color
Hex	AB949C
RGB	171, 148, 156
RGB Percent	67%, 58%, 61%
CMY	0.3294, 0.4196, 0.3882
CMYK	0.00, 0.13, 0.09, 0.33
HSL	339°, 12%, 63%
HSV	339°, 13%, 67%
XYZ	33.3852, 32.2380, 35.9155
YIQ	155.7890, 11.1400, 7.3640

Conversions

Conversions Part 2

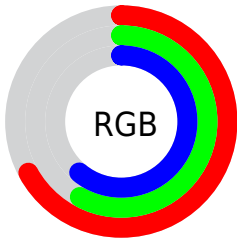
Format	Color
RYB	171, 148, 156
Decimal	11244700
CIELab	63.54, 9.94, -1.05
CIElCh	64, 9.998, 353.962
Yxy	32.2380, 0.3288, 0.3175
Android (android.graphics.Color)	4289434780 (0xFFAB949C)
YUV	155.7890, 0.1040, 13.3400
Hunter-Lab	56.7785, 5.5938, 2.2408

Details

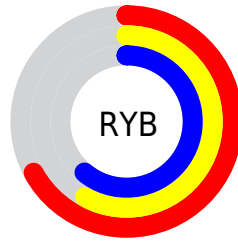
The XYZ color **33.3852, 32.2380, 35.9155** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.3877, 38.0668, 40.2399**, and the grayscale version is **31.5027, 33.1433, 36.0930**.

A 20% lighter version of the original color is **64.1174, 63.0630, 69.7658**, and **14.4322, 13.4912, 15.2080** is the 20% darker color. If you saturate the color by 10%, you get **29.9972, 26.9045, 30.3386**, and if you desaturate by 10%, it is **37.2580, 38.4016, 42.0828**.

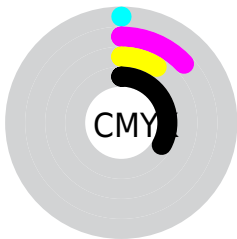
Distribution



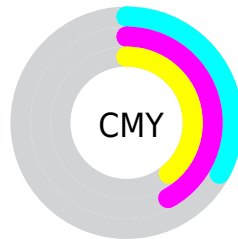
- Red (67%)
- Green (58%)
- Blue (61%)



- 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 33.3852, 32.2380, 35.9155 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 33.3852, 32.2380, 35.9155 by changing the saturation by 10% instead.

■ 33.3852, 32.2380,
35.9155

■ 33.3852, 32.2380,
35.9155

309.0163,
312.2020, 343.6173

■ 22.5823, 21.5434,
24.0798

■ 64.3271, 63.1840,
70.0692

■ 14.4044, 13.5217,
15.1801

■ 85.1969, 84.2042,
93.2242

■ 8.4861, 7.7888,
8.7978

110.1530,
109.4349, 120.9895

■ 4.4619, 3.9601,
4.5145

139.5608,
139.2607, 153.7834

■ 1.9666, 1.6513,
1.9117

173.7857,
174.0659, 192.0246

■ 0.6151, 0.3918,
0.5001

213.1930,

■ 0.0000, 0.0000,

214.2350, 236.1317

0.0000

258.1481,
260.1522, 286.5230

■ 33.3852, 32.2380,
35.9155

■ 33.3852, 32.2380,
35.9155

■ 29.9972, 26.9045,
30.3386

■ 37.2580, 38.4016,
42.0828

■ 27.0717, 22.3611,
25.3319

■ 41.6314, 45.4243,
48.8554

■ 24.5886, 18.5713,
20.8771

■ 46.5237, 53.3392,
56.2507

■ 22.5251, 15.4937,
16.9543

■ 51.9517, 62.1761,
64.2843

■ 20.8564, 13.0829,
13.5420

■ 57.9311, 71.9636,
72.9715

■ 19.5551, 11.2883,
10.6170

■ 64.4773, 82.7290,
82.3270

■ 18.5897, 10.0520,
8.1544

■ 67.4169, 86.1229,
90.9691

■ 17.9231, 9.3046,
6.1259

■ 69.0712, 86.7846,
99.6804

■ 17.5963, 8.9786,
5.0069

■ 70.6047, 87.3980,
107.7560

Harmonies

Analogous

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



32.8605, 32.2380, 39.8151



33.3852, 32.2380, 35.9155



33.1568, 32.2380, 32.0751

Triad

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



33.3852, 32.2380, 35.9155



29.5654, 32.2380, 28.5429



29.0910, 32.2380, 41.6831

Complementary

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



33.3852, 32.2380, 35.9155



33.3877, 38.0668, 40.2399

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.



28.2562, 32.2380, 38.3130



33.3852, 32.2380, 35.9155



28.5242, 32.2380, 30.7758

Square

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



33.3852, 32.2380, 35.9155



30.9241, 32.2380, 28.0070



28.0519, 32.2380, 34.3003



30.3601, 32.2380, 43.3035

Rectangle

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



33.3852, 32.2380, 35.9155



32.6117, 32.2380, 30.0373



28.0519, 32.2380, 34.3003



28.7519, 32.2380, 40.7056

Sweetspot

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



33.3861, 32.2394, 35.9162



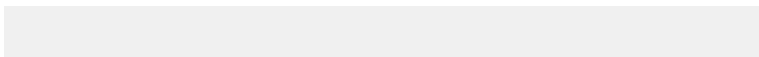
66.2692, 68.0434, 74.6487



33.0357, 31.9028, 42.9451



14.6583, 14.9822, 16.4580



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.



33.3861, 32.2394, 35.9162



57.9856, 54.8826, 61.3862



33.2801, 33.0757, 32.6489



8.1159, 8.0596, 8.9213



13.2877, 6.7776, 3.8945



0.3959, 0.1991, 0.2467

Inverse Universe

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



33.3861, 32.2394, 35.9162



57.9856, 54.8826, 61.3862



33.4841, 37.0764, 43.9201



8.1159, 8.0596, 8.9213



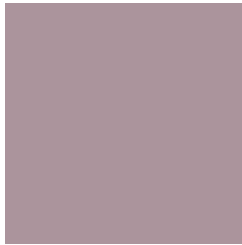
13.2877, 6.7776, 3.8945



0.3959, 0.1991, 0.2467

Previews

White Background



This preview shows how the XYZ color 33.3852, 32.2380, 35.9155 looks on a white background.

Color Contrast Check

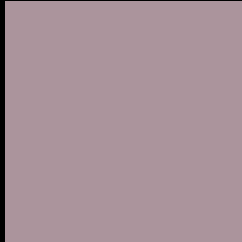
Large Text (above 18pt) WCAG AA × Fail

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 33.3852, 32.2380, 35.9155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

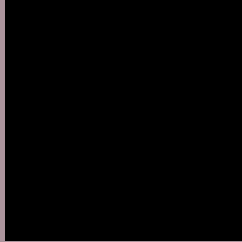
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3852, 32.2380, 35.9155

Background



This preview shows how black text looks on a background with the XYZ color 33.3852, 32.2380, 35.9155.



This preview shows how white text looks on a background with the XYZ color 33.3852, 32.2380,

35.9155.

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

33.3852, 32.2380, 35.9155

Protanopia

31.1668, 32.2542, 37.3839

Deuteranopia

32.8966, 32.2200, 35.9377



Tritanopia

33.6425, 32.3409, 37.2702

Trichromacy



Original Color

33.3852, 32.2380, 35.9155

Protanomaly

31.9361, 32.1789, 36.8757

Deuteranomaly

33.1104, 32.3302, 35.9477

Tritanomaly

33.5560, 32.3064, 36.8149

Monochromacy



Original Color

33.3852, 32.2380, 35.9155

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 33.3852, 32.2380, 35.9155 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, 148, 156)` looks like.

```
.text, #text, p{  
    color:rgb(171, 148, 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, 148, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 148, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.3852, 32.2380, 35.9155 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, 148, 156) }
```


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

```
.border{ border-color:rgb(171, 148, 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, 148, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 148, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 148, 156);  
box-shadow:4px 4px 4px 4px rgb(171, 148,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3852, 32.2380, 35.9155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 148, 156) }
```

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

```
.background{ background-color: rgb(171,  
148, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor