

Converting Colors

XYZ(33.8501, 32.5812, 38.0378)

Have a look what the booklet for
XYZ(33.8501, 32.5812, 38.0378)
contains.

XYZ(33.9751, 32.7260, 38.2443)	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(33.9751, 32.7260,
38.2443)**

Conversions

Conversions Part 1

Format	Color
Hex	AB95A1
RGB	171, 149, 161
RGB Percent	67%, 58%, 63%
CMY	0.3294, 0.4157, 0.3686
CMYK	0.00, 0.13, 0.06, 0.33
HSL	327°, 12%, 63%
HSV	327°, 13%, 67%
XYZ	33.9751, 32.7260, 38.2443
YIQ	156.9460, 9.2600, 8.3960

Conversions

Conversions Part 2

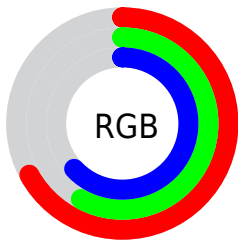
Format	Color
R_{YB}	171, 149, 161
Decimal	11244961
CIE Lab	63.94, 10.29, -3.29
CIE LCh	64, 10.800, 342.277
Yxy	32.7260, 0.3237, 0.3118
Android (android.graphics.Color)	4289435041 (0xFFAB95A1)
YUV	156.9460, 1.9986, 12.3254
Hunter-Lab	57.2066, 5.8998, 0.4076

Details

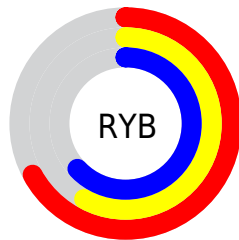
The XYZ color **33.9751, 32.7260, 38.2443** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2166, 38.0196, 38.3906**, and the grayscale version is **32.0127, 33.6798, 36.6773**.

A 20% lighter version of the original color is **65.1146, 63.8385, 73.8559**, and **14.7899, 13.7831, 16.6327** is the 20% darker color. If you saturate the color by 10%, you get **30.8016, 27.4419, 33.9089**, and if you desaturate by 10%, it is **37.5903, 38.8245, 42.9381**.

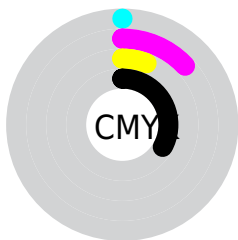
Distribution



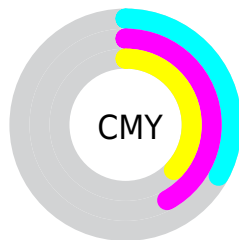
- Red (67%)
- Green (58%)
- Blue (63%)



- Red (67%)
- Yellow (58%)
- Blue (63%)



- Cyan (0%)
- Magenta (13%)
- Yellow (6%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9751, 32.7260, 38.2443 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 33.9751, 32.7260, 38.2443 by changing the saturation by 10% instead.

■ 33.9751, 32.7260,
38.2443

■ 33.9751, 32.7260,
38.2443

311.6089,
314.4133, 353.9964

■ 23.0373, 21.9166,
25.8691

■ 65.2395, 63.9475,
73.6900

■ 14.7419, 13.7957,
16.5008

■ 86.2968, 85.1284,
97.5975

■ 8.7236, 7.9787,
9.7211

111.4579,
110.5353, 126.1862

■ 4.6170, 4.0813,
5.1112

141.0882,
140.5526, 159.8747

■ 2.0568, 1.7191,
2.2528

175.5532,
175.5646, 199.0814

■ 0.6655, 0.4360,
0.7046

215.2180,

■ 0.0000, 0.0000,

215.9558, 244.2248

0.0000

260.4481,
262.1106, 295.7237

■ 33.9751, 32.7260,
38.2443

■ 33.9751, 32.7260,
38.2443

■ 30.8016, 27.4419,
33.9089

■ 37.5903, 38.8245,
42.9381

■ 28.0491, 22.9331,
29.9199

■ 41.6614, 45.7657,
47.9974

■ 25.6991, 19.1638,
26.2677

■ 46.2053, 53.5819,
53.4320

■ 23.7308, 16.0933,
22.9415

■ 51.2372, 62.3026,
59.2504

■ 22.1214, 13.6775,
19.9293

■ 56.7717, 71.9555,
65.4608

■ 20.8454, 11.8668,
17.2184

■ 62.8227, 82.5674,
72.0713

■ 19.8737, 10.6045,
14.7949

■ 64.8744, 85.1059,
77.5799

■ 19.1719, 9.8232,
12.6424

■ 65.9001, 85.5161,
82.9808

■ 18.7823, 9.4530,
11.2517

■ 66.9738, 85.9457,
88.6353

Harmonies

Analogous

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



33.1144, 32.7260, 42.1971



33.9751, 32.7260, 38.2443



34.0514, 32.7260, 33.8814

Triad

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



33.9751, 32.7260, 38.2443



30.4873, 32.7260, 28.0588



28.9908, 32.7260, 41.5703

Complementary

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



33.9751, 32.7260, 38.2443



33.2166, 38.0196, 38.3906

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.



28.3338, 32.7260, 37.4440



33.9751, 32.7260, 38.2443



29.1787, 32.7260, 29.7877

Square

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



33.9751, 32.7260, 38.2443



32.0040, 32.7260, 28.2348



28.4014, 32.7260, 33.1435



30.2232, 32.7260, 44.2223

Rectangle

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



33.9751, 32.7260, 38.2443



33.6441, 32.7260, 31.3445



28.4014, 32.7260, 33.1435



28.6972, 32.7260, 40.2960

Sweetspot

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



33.9760, 32.7274, 38.2450



66.4973, 68.1347, 75.8499



32.3777, 31.7974, 42.9597



14.7180, 15.0061, 16.7728



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.



33.9760, 32.7274, 38.2450



59.4125, 56.2089, 66.5713



33.0563, 32.3595, 33.4017



8.1811, 8.0857, 9.2643



14.1857, 7.1368, 8.6233



0.4218, 0.2094, 0.3828

Inverse Universe

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



33.9760, 32.7274, 38.2450



59.4125, 56.2089, 66.5713



34.2047, 38.4148, 43.5933



8.1811, 8.0857, 9.2643



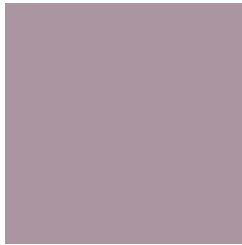
14.1857, 7.1368, 8.6233



0.4218, 0.2094, 0.3828

Previews

White Background



This preview shows how the XYZ color 33.9751, 32.7260, 38.2443 looks on a white background.

Color Contrast Check

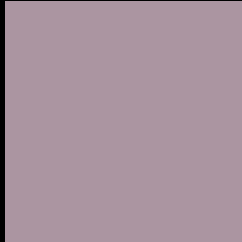
Large Text (above 18pt) WCAG AA × Fail

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 33.9751, 32.7260, 38.2443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

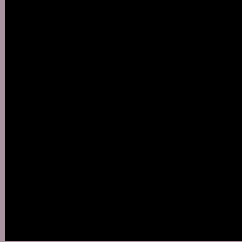
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9751, 32.7260, 38.2443

Background



This preview shows how black text looks on a background with the XYZ color 33.9751, 32.7260, 38.2443.



This preview shows how white text looks on a background with the XYZ color 33.9751, 32.7260,

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

33.9751, 32.7260, 38.2443

Protanopia

31.7740, 32.7601, 39.7706

Deuteranopia

33.2757, 32.6014, 38.2571



Tritanopia

33.9751, 32.7260, 38.2443

Trichromacy



Original Color

33.9751, 32.7260, 38.2443

Protanomaly

32.5370, 32.6779, 39.2429

Deuteranomaly

33.4878, 32.7107, 38.2670

Tritanomaly

33.9751, 32.7260, 38.2443

Monochromacy



Original Color

33.9751, 32.7260, 38.2443

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.6274, 33.2612, 37.0482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9751, 32.7260, 38.2443 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(171, 149, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 149, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.9751, 32.7260, 38.2443 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, 161) }
```


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

```
.border{ border-color:rgb(171, 149, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 149, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 149, 161);  
box-shadow:4px 4px 4px 4px rgb(171, 149,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9751, 32.7260, 38.2443 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, 161) }
```

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

```
.background{ background-color: rgb(171,  
149, 161) }
```

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