

Converting Colors

XYZ(32.3380, 33.5312, 39.7526)

Have a look what the booklet for
XYZ(32.3380, 33.5312, 39.7526)
contains.

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Color

**XYZ(32.2996, 33.5252,
39.8906)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9CA4
RGB	156, 156, 164
RGB Percent	61%, 61%, 64%
CMY	0.3882, 0.3882, 0.3569
CMYK	0.05, 0.05, 0.00, 0.36
HSL	240°, 4%, 63%
HSV	240°, 5%, 64%
XYZ	32.2996, 33.5252, 39.8906
YIQ	156.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

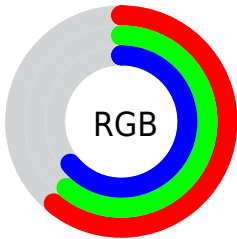
Format	Color
RYB	156, 156, 164
Decimal	10263716
CIELab	64.58, 1.57, -4.17
CIElCh	65, 4.458, 290.663
Yxy	33.5252, 0.3055, 0.3171
Android (android.graphics.Color)	4288453796 (0xFF9C9CA4)
YUV	156.9120, 3.4944, -0.7998
Hunter-Lab	57.9009, -1.7518, -0.3169

Details

The XYZ color **32.2996, 33.5252, 39.8906** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5861, 36.8433, 36.7416**, and the grayscale version is **31.9947, 33.6609, 36.6567**.

A 20% lighter version of the original color is **62.4111, 64.9093, 76.2572**, and **13.8019, 14.2763, 17.3574** is the 20% darker color. If you saturate the color by 10%, you get **26.7701, 26.8634, 38.8967**, and if you desaturate by 10%, it is **38.6309, 41.1535, 41.0298**.

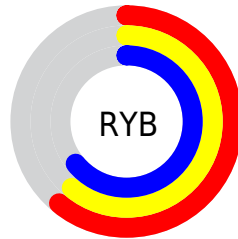
Distribution



Red (61%)

Green (61%)

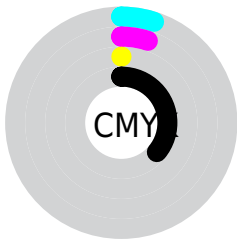
Blue (64%)



Red (61%)

Yellow (61%)

Blue (64%)

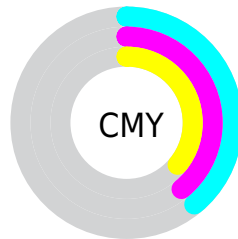


Cyan (5%)

Magenta (5%)

Yellow (0%)

Black (36%)



Cyan (39%)

Magenta (39%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2996, 33.5252, 39.8906 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 32.2996, 33.5252, 39.8906 by changing the saturation by 10% instead.

■ 32.2996, 33.5252,
39.8906

■ 32.2996, 33.5252,
39.8906

304.2029,
318.0097, 361.2006

■ 21.7471, 22.5291,
27.1401

■ 62.6425, 65.1946,
76.2322

■ 13.7867, 14.2462,
17.4451

■ 83.1636, 86.6367,
100.6603

■ 8.0532, 8.2921,
10.3871

107.7383,
112.3296, 129.8181

■ 4.1811, 4.2824,
5.5474

136.7319,
142.6577, 164.1241

■ 1.8051, 1.8328,
2.5076

170.5098,
178.0054, 203.9968

■ 0.5207, 0.5075,
0.8442

209.4374,

■ 0.0000, 0.0000,

218.7570, 249.8548

0.0000

253.8800,
265.2970, 302.1165

■ 32.2996, 33.5252,
39.8906

■ 32.2996, 33.5252,
39.8906

■ 26.7701, 26.8634,
38.8967

■ 38.6309, 41.1535,
41.0298

■ 22.0077, 21.1254,
38.0401

■ 45.7911, 49.7800,
42.3175

■ 17.9794, 16.2717,
37.3156

■ 53.8096, 59.4407,
43.7596

■ 14.6486, 12.2585,
36.7165

■ 62.7137, 70.1681,
45.3609

■ 11.9759, 9.0379,
36.2358

■ 72.5292, 81.9935,
47.1261

■ 9.9175, 6.5575,
35.8655

■ 83.2811, 94.9468,
49.0597

■ 8.4247, 4.7585,
35.5969

■ 83.7009, 95.4604,
49.1367

■ 7.4413, 3.5732,
35.4200

■ 6.8978, 2.9181,
35.3222

Harmonies

Analogous

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



31.6661, 33.5252, 40.0813



32.2996, 33.5252, 39.8906



32.8231, 33.5252, 38.7761

Triad

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



32.2996, 33.5252, 39.8906



32.6487, 33.5252, 33.8525



30.6693, 33.5252, 35.9362

Complementary

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



32.2996, 33.5252, 39.8906



34.5861, 36.8433, 36.7416

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.



30.9252, 33.5252, 34.3210



32.2996, 33.5252, 39.8906



32.0642, 33.5252, 33.1447

Square

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



32.2996, 33.5252, 39.8906



33.0265, 33.5252, 35.2773



31.4337, 33.5252, 33.3133



30.7305, 33.5252, 37.7572

Rectangle

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



32.2996, 33.5252, 39.8906



33.0364, 33.5252, 37.6791



31.4337, 33.5252, 33.3133



30.7210, 33.5252, 35.3521

Sweetspot

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



32.3006, 33.5266, 39.8913



62.8894, 65.9873, 73.1745



33.6751, 36.2949, 40.2901



13.7635, 14.4437, 16.0000



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



32.3006, 33.5266, 39.8913



57.3131, 59.2688, 72.1716



33.0604, 33.9177, 39.9268



7.0563, 7.2888, 8.9380



5.1384, 2.0562, 27.0558



0.1080, 0.0433, 0.5685

Inverse Universe

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



33.1998, 34.0704, 36.2806



59.3419, 60.4956, 64.0250



33.8006, 36.4391, 36.7050



7.3224, 7.4497, 7.8694



11.7391, 6.0517, 0.5508



0.2467, 0.1272, 0.0117

Previews

White Background



This preview shows how the XYZ color 32.2996, 33.5252, 39.8906 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 32.2996, 33.5252, 39.8906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

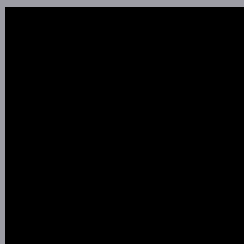
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

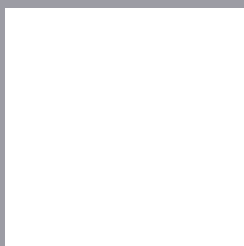
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2996, 33.5252, 39.8906

Background



This preview shows how black text looks on a background with the XYZ color 32.2996, 33.5252, 39.8906.

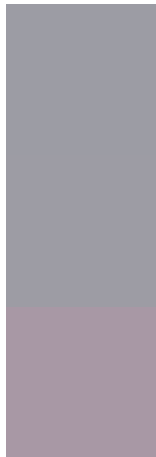


This preview shows how white text looks on a background with the XYZ color 32.2996, 33.5252,

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

32.2996, 33.5252, 39.8906

Protanopia

32.4939, 33.6254, 39.8997

Deuteranopia

34.1682, 33.4979, 40.2622



Tritanopia

32.6939, 33.4379, 41.7768

Trichromacy



Original Color

32.2996, 33.5252, 39.8906

Protanomaly

32.4939, 33.6254, 39.8997

Deuteranomaly

33.4926, 33.3916, 40.2773

Tritanomaly

32.6010, 33.4008, 41.2880

Monochromacy



Original Color

32.2996, 33.5252, 39.8906

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.3068, 33.8201, 38.0829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2996, 33.5252, 39.8906 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, 156, 164)` looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 164)  
}
```

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, 156, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 164) }
```

Border

The CSS property to change the border of an element to XYZ 32.2996, 33.5252, 39.8906 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, 156, 164) }
```


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

```
.border{ border-color:rgb(156, 156, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 156, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 156, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 156, 164);  
box-shadow:4px 4px 4px 4px rgb(156, 156,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2996, 33.5252, 39.8906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 156, 164) }
```

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

```
.background{ background-color: rgb(156,  
156, 164) }
```

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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