

Converting Colors

XYZ(33.9896, 32.8395, 43.7690)

Have a look what the booklet for
XYZ(33.9896, 32.8395, 43.7690)
contains.

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Color

**XYZ(33.8698, 32.7906,
43.5738)**

Conversions

Conversions Part 1

Format	Color
Hex	A596AC
RGB	165, 150, 172
RGB Percent	65%, 59%, 67%
CMY	0.3529, 0.4117, 0.3255
CMYK	0.04, 0.13, 0.00, 0.33
HSL	281°, 12%, 63%
HSV	281°, 13%, 67%
XYZ	33.8698, 32.7906, 43.5738
YIQ	156.9930, 1.8780, 10.0220

Conversions

Conversions Part 2

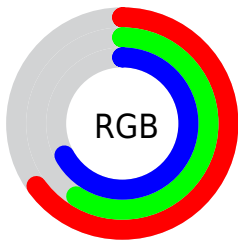
Format	Color
R_{YB}	165, 150, 172
Decimal	10852012
CIE Lab	63.99, 9.69, -9.47
CIE LCh	64, 13.551, 315.672
Yxy	32.7906, 0.3073, 0.2975
Android (android.graphics.Color)	4289042092 (0xFFA596AC)
YUV	156.9930, 7.3985, 7.0221
Hunter-Lab	57.2631, 5.3683, -5.0320

Details

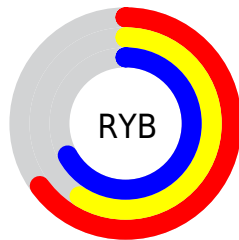
The XYZ color **33.8698, 32.7906, 43.5738** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1634, 38.8760, 34.5590**, and the grayscale version is **32.0127, 33.6798, 36.6774**.

A 20% lighter version of the original color is **64.9732, 63.9474, 81.5917**, and **14.6621, 13.7905, 19.6583** is the 20% darker color. If you saturate the color by 10%, you get **30.2102, 27.1250, 42.6736**, and if you desaturate by 10%, it is **37.9829, 39.2899, 44.6120**.

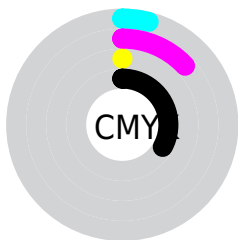
Distribution



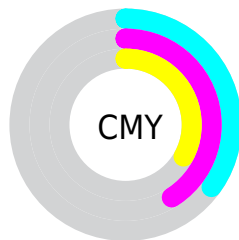
- Red (65%)
- Green (59%)
- Blue (67%)



- Red (65%)
- Yellow (59%)
- Blue (67%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8698, 32.7906, 43.5738 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 33.8698, 32.7906, 43.5738 by changing the saturation by 10% instead.

■ 33.8698, 32.7906,
43.5738

■ 33.8698, 32.7906,
43.5738

311.1472,
314.7051, 376.9565

■ 22.9560, 21.9661,
30.0009

■ 65.0768, 64.0485,
81.8717

■ 14.6815, 13.8320,
19.5872

■ 86.1007, 85.2506,
107.4336

■ 8.6810, 8.0039,
11.9142

111.2253,
110.6807, 137.8291

■ 4.5892, 4.0974,
6.5635

140.8161,
140.7233, 173.4765

■ 2.0405, 1.7282,
3.1164

175.2383,
175.7626, 214.7944

■ 0.6566, 0.4418,
1.1544

214.8573,

■ 0.0000, 0.0000,

216.1830, 262.2013

0.0000

260.0385,
262.3691, 316.1159

■ 33.8698, 32.7906,
43.5738

■ 33.8698, 32.7906,
43.5738

■ 30.2102, 27.1250,
42.6736

■ 37.9829, 39.2899,
44.6120

■ 26.9832, 22.2536,
41.9034

■ 42.5637, 46.6517,
45.7915

■ 24.1703, 18.1400,
41.2577

■ 47.6292, 54.9089,
47.1184

■ 21.7505, 14.7431,
40.7295

■ 53.1946, 64.0910,
48.5974

■ 19.7010, 12.0180,
40.3116

■ 59.2746, 74.2265,
50.2333

■ 17.9962, 9.9145,
39.9954

■ 65.8831, 85.3425,
52.0305

■ 16.6069, 8.3753,
39.7715

■ 67.9207, 87.2392,
52.2893

■ 15.4983, 7.3320,
39.6286

■ 69.4408, 88.0229,
52.3604

■ 14.8188, 6.7791,
39.5577

■ 71.0141, 88.8339,
52.4340

Harmonies

Analogous

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



32.1697, 32.7906, 46.8252



33.8698, 32.7906, 43.5738



34.8642, 32.7906, 38.3717

Triad

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



33.8698, 32.7906, 43.5738



32.0848, 32.7906, 26.4465



27.7606, 32.7906, 38.6224

Complementary

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



33.8698, 32.7906, 43.5738



34.1634, 38.8760, 34.5590

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.



27.7399, 32.7906, 33.1617



33.8698, 32.7906, 43.5738



30.1843, 32.7906, 26.4988

Square

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



33.8698, 32.7906, 43.5738



33.8054, 32.7906, 28.6917



28.6110, 32.7906, 28.8428



28.6686, 32.7906, 43.7734

Rectangle

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



33.8698, 32.7906, 43.5738



34.9681, 32.7906, 34.6734



28.6110, 32.7906, 28.8428



27.6509, 32.7906, 36.7536

Sweetspot

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



33.8708, 32.7920, 43.5745



67.9021, 69.6783, 80.6762



32.1388, 33.6909, 43.8393



14.6330, 14.9461, 17.5013



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.



33.8708, 32.7920, 43.5745



59.7239, 56.8013, 78.6217



35.0196, 33.4244, 41.8153



8.0855, 8.0184, 10.0742



11.0863, 5.0751, 29.4398



0.3619, 0.1687, 0.8215

Inverse Universe

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



34.0065, 33.0191, 36.4809



60.0345, 57.2979, 63.4323



33.1364, 38.3119, 36.0764



8.1063, 8.0558, 8.8708



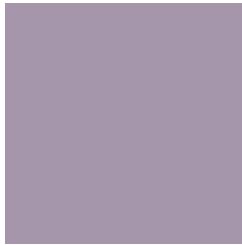
13.1916, 6.7392, 3.3883



0.3922, 0.1976, 0.2272

Previews

White Background



This preview shows how the XYZ color 33.8698, 32.7906, 43.5738 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 33.8698, 32.7906, 43.5738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

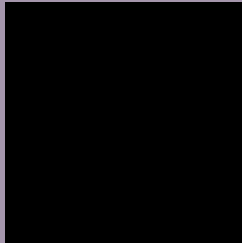
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8698, 32.7906, 43.5738

Background



This preview shows how black text looks on a background with the XYZ color 33.8698, 32.7906, 43.5738.



This preview shows how white text looks on a background with the XYZ color 33.8698, 32.7906,

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

33.8698, 32.7906, 43.5738

Protanopia

32.2424, 32.8817, 45.2049

Deuteranopia

33.4133, 32.7932, 43.5984



Tritanopia

32.9873, 32.6701, 39.2177

Trichromacy



Original Color

33.8698, 32.7906, 43.5738

Protanomaly

32.9358, 33.0066, 44.6794

Deuteranomaly

33.6173, 32.8983, 43.6079

Tritanomaly

33.2594, 32.7789, 40.6504

Monochromacy



Original Color

33.8698, 32.7906, 43.5738

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.5744, 33.1934, 38.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8698, 32.7906, 43.5738 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(165, 150, 172)` looks like.

```
.text, #text, p{  
    color:rgb(165, 150, 172)  
}
```

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(165, 150, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 150, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.8698, 32.7906, 43.5738 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(165, 150, 172) }
```


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

```
.border{ border-color:rgb(165, 150, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 150, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 150, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 150, 172);  
box-shadow:4px 4px 4px 4px rgb(165, 150,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8698, 32.7906, 43.5738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 150, 172) }
```

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

```
.background{ background-color: rgb(165,  
150, 172) }
```

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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