

Converting Colors

XYZ(33.0477, 31.8527, 40.3626)

Have a look what the booklet for
XYZ(33.0477, 31.8527, 40.3626)
contains.

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Color

**XYZ(33.1987, 32.0400,
40.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	A694A6
RGB	166, 148, 166
RGB Percent	65%, 58%, 65%
CMY	0.3490, 0.4196, 0.3490
CMYK	0.00, 0.11, 0.00, 0.35
HSL	300°, 9%, 62%
HSV	300°, 11%, 65%
XYZ	33.1987, 32.0400, 40.5110
YIQ	155.4340, 4.9500, 9.4140

Conversions

Conversions Part 2

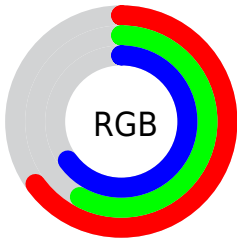
Format	Color
R_{YB}	166, 148, 166
Decimal	10917030
CIE Lab	63.38, 9.99, -6.99
CIE LCh	63, 12.192, 325.006
Yxy	32.0400, 0.3139, 0.3030
Android (android.graphics.Color)	4289107110 (0xFFA694A6)
YUV	155.4340, 5.2090, 9.2664
Hunter-Lab	56.6039, 5.6351, -2.8107

Details

The XYZ color **33.1987, 32.0400, 40.5110** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1955, 35.7074, 33.2667**, and the grayscale version is **31.3249, 32.9562, 35.8893**.

A 20% lighter version of the original color is **63.9905, 62.8337, 77.1621**, and **14.2514, 13.3417, 17.7437** is the 20% darker color. If you saturate the color by 10%, you get **30.7797, 27.2016, 39.7051**, and if you desaturate by 10%, it is **35.9930, 37.6280, 41.4428**.

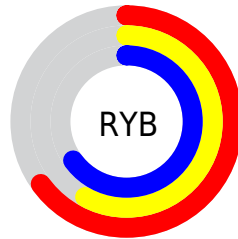
Distribution



Red (65%)

Green (58%)

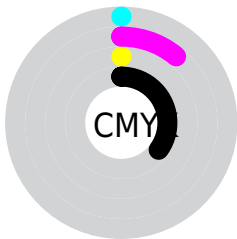
Blue (65%)



Red (65%)

Yellow (58%)

Blue (65%)

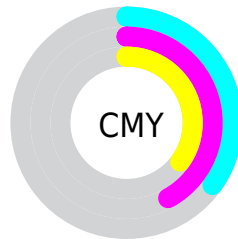


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1987, 32.0400, 40.5110 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 33.1987, 32.0400, 40.5110 by changing the saturation by 10% instead.

■ 33.1987, 32.0400,
40.5110

■ 33.1987, 32.0400,
40.5110

308.1933,
311.3014, 363.8886

■ 22.4387, 21.3921,
27.6204

■ 64.0382, 62.8738,
77.1866

■ 14.2980, 13.4109,
17.8031

■ 84.8484, 83.8284,
101.8087

■ 8.4113, 7.7121,
10.6408

109.7394,
108.9874, 131.1783

■ 4.4132, 3.9113,
5.7147

139.0765,
138.7351, 165.7140

■ 1.9385, 1.6241,
2.6064

173.2251,
173.4560, 205.8343

■ 0.5990, 0.3737,
0.8958

212.5505,

■ 0.0000, 0.0000,

213.5344, 251.9579

0.0000

257.4181,
259.3548, 304.5031

■ 33.1987, 32.0400,
40.5110

■ 33.1987, 32.0400,
40.5110

■ 30.7797, 27.2016,
39.7051

■ 35.9930, 37.6280,
41.4428

■ 28.7174, 23.0770,
39.0176

■ 39.1746, 43.9912,
42.5033

■ 26.9958, 19.6338,
38.4438

■ 42.7586, 51.1592,
43.6980

■ 25.5964, 16.8352,
37.9773

■ 46.7583, 59.1585,
45.0312

■ 24.4994, 14.6412,
37.6117

■ 51.1865, 68.0148,
46.5073

■ 23.6824, 13.0072,
37.3393

■ 56.0553, 77.7524,
48.1302

■ 23.1201, 11.8826,
37.1519

■ 58.3694, 82.3804,
48.9015

■ 22.7825, 11.2076,
37.0394

■ 58.3694, 82.3805,
48.9015

■ 22.6088, 10.8601,
36.9815

■ 58.3694, 82.3805,
48.9015

Harmonies

Analogous

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



31.8501, 32.0400, 44.0364



33.1987, 32.0400, 40.5110



33.8128, 32.0400, 35.7040

Triad

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



33.1987, 32.0400, 40.5110



30.7373, 32.0400, 26.3977



27.5969, 32.0400, 38.9777

Complementary

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



33.1987, 32.0400, 40.5110



31.1955, 35.7074, 33.2667

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.



27.3236, 32.0400, 34.0808



33.1987, 32.0400, 40.5110



29.0975, 32.0400, 27.1002

Square

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



33.1987, 32.0400, 40.5110



32.3585, 32.0400, 27.7918



27.8631, 32.0400, 29.8076



28.6239, 32.0400, 43.0953

Rectangle

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



33.1987, 32.0400, 40.5110



33.7071, 32.0400, 32.5272



27.8631, 32.0400, 29.8076



27.4155, 32.0400, 37.3564

Sweetspot

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



33.1996, 32.0414, 40.5117



64.1406, 65.9257, 74.8196



29.7342, 30.3248, 40.3630



14.2609, 14.5678, 16.7124



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.1996, 32.0414, 40.5117



59.1386, 55.9217, 73.1523



32.4283, 31.7329, 36.4498



7.8419, 7.6666, 9.4848



17.5317, 8.4214, 28.6770



0.4266, 0.2049, 0.6977

Inverse Universe

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



31.6623, 31.4264, 32.4159



55.7858, 54.5806, 55.4962



31.9103, 35.9933, 37.0309



7.5311, 7.5423, 7.8482



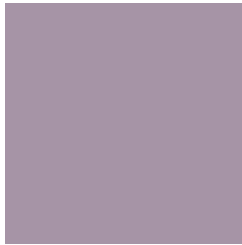
12.1947, 6.2866, 0.5707



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 33.1987, 32.0400, 40.5110 looks on a white background.

Color Contrast Check

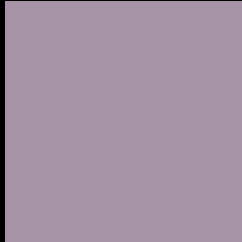
Large Text (above 18pt) WCAG AA × Fail

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 33.1987, 32.0400, 40.5110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

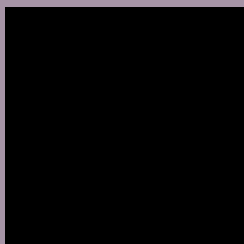
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1987, 32.0400, 40.5110

Background



This preview shows how black text looks on a background with the XYZ color 33.1987, 32.0400, 40.5110.



This preview shows how white text looks on a background with the XYZ color 33.1987, 32.0400,

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

33.1987, 32.0400, 40.5110

Protanopia

31.3386, 31.9964, 42.0603

Deuteranopia

32.7346, 32.0346, 40.5344



Tritanopia

32.6975, 32.0674, 38.1845

Trichromacy



Original Color

33.1987, 32.0400, 40.5110

Protanomaly

32.0391, 32.1285, 41.5586

Deuteranomaly

32.9402, 32.1406, 40.5440

Tritanomaly

32.8754, 32.1386, 39.1210

Monochromacy



Original Color

33.1987, 32.0400, 40.5110

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.7843, 32.3306, 37.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1987, 32.0400, 40.5110 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(166, 148, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 148, 166)  
}
```

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(166, 148, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 148, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.1987, 32.0400, 40.5110 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(166, 148, 166) }
```


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

```
.border{ border-color:rgb(166, 148, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 148, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 148, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 148, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 148,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1987, 32.0400, 40.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 148, 166) }
```

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

```
.background{ background-color: rgb(166,  
148, 166) }
```

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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