

Converting Colors

XYZ(33.3970, 34.5274, 36.7959)

Have a look what the booklet for
XYZ(33.3970, 34.5274, 36.7959)
contains.

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Color

**XYZ(33.2470, 34.3348,
36.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	A39D9D
RGB	163, 157, 157
RGB Percent	64%, 62%, 62%
CMY	0.3608, 0.3843, 0.3843
CMYK	0.00, 0.04, 0.04, 0.36
HSL	0°, 3%, 63%
HSV	0°, 4%, 64%
XYZ	33.2470, 34.3348, 36.7733
YIQ	158.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

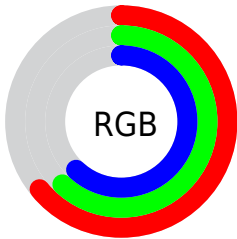
Format	Color
RYB	163, 157, 157
Decimal	10722717
CIELab	65.23, 2.18, 0.77
CIELCh	65, 2.309, 19.418
Yxy	34.3348, 0.3186, 0.3290
Android (android.graphics.Color)	4288912797 (0xFFA39D9D)
YUV	158.7940, -0.8844, 3.6887
Hunter-Lab	58.5959, -1.2629, 3.8082

Details

The XYZ color **33.2470, 34.3348, 36.7733** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.6126, 36.0062, 39.8290**, and the grayscale version is **32.8641, 34.5756, 37.6529**.

A 20% lighter version of the original color is **64.3406, 66.7459, 71.7795**, and **14.3111, 14.7282, 15.7242** is the 20% darker color. If you saturate the color by 10%, you get **29.3723, 28.6657, 29.0678**, and if you desaturate by 10%, it is **37.6769, 40.8163, 45.5807**.

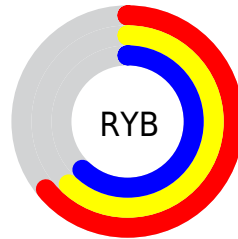
Distribution



Red (64%)

Green (62%)

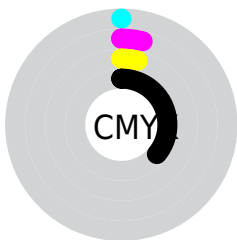
Blue (62%)



Red (64%)

Yellow (62%)

Blue (62%)

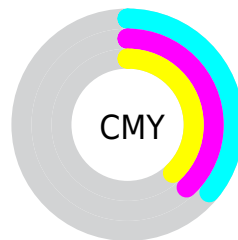


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2470, 34.3348, 36.7733 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 33.2470, 34.3348, 36.7733 by changing the saturation by 10% instead.

■ 33.2470, 34.3348,
36.7733

■ 33.2470, 34.3348,
36.7733

308.4066,
321.6223, 347.4671

■ 22.4759, 23.1509,
24.7376

■ 64.1131, 66.4540,
71.4064

■ 14.3255, 14.7050,
15.6644

■ 84.9387, 88.1581,
94.8409

■ 8.4306, 8.6126,
9.1352

109.8466,
114.1377, 122.9121

■ 4.4258, 4.4894,
4.7315

139.2020,
144.7772, 156.0385

■ 1.9457, 1.9509,
2.0346

173.3704,
180.4610, 194.6386

■ 0.6032, 0.5787,
0.5764

212.7170,

■ 0.0000, 0.0000,

221.5736, 239.1311

0.0000

257.6073,
268.4992, 289.9344

■ 33.2470, 34.3348,
36.7733

■ 33.2470, 34.3348,
36.7733

■ 29.3723, 28.6657,
29.0678

■ 37.6769, 40.8163,
45.5807

■ 26.0283, 23.7727,
22.4188

■ 42.6796, 48.1359,
55.5288

■ 23.1925, 19.6234,
16.7809

■ 48.2757, 56.3234,
66.6569

■ 20.8403, 16.1816,
12.1046

■ 54.4836, 65.4060,
79.0019

■ 18.9447, 13.4076,
8.3363

■ 61.3211, 75.4097,
92.5994

■ 17.4759, 11.2582,
5.4170

■ 68.8053, 86.3594,
107.4830

■ 16.4010, 9.6850,
3.2809

■ 68.9144, 86.5266,
107.6769

■ 15.6820, 8.6325,
1.8526

■ 15.2734, 8.0344,
1.0416

Harmonies

Analogous

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



33.2731, 34.3348, 37.7254



33.2470, 34.3348, 36.7733



33.0561, 34.3348, 35.9977

Triad

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



33.2470, 34.3348, 36.7733



32.1462, 34.3348, 36.1946



32.5158, 34.3348, 39.2323

Complementary

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



33.2470, 34.3348, 36.7733



33.6126, 36.0062, 39.8290

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.



32.2159, 34.3348, 38.8070



33.2470, 34.3348, 36.7733



32.0035, 34.3348, 37.0462

Square

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



33.2470, 34.3348, 36.7733



32.4200, 34.3348, 35.6676



32.0290, 34.3348, 38.0030



32.8493, 34.3348, 39.1562

Rectangle

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



33.2470, 34.3348, 36.7733



32.8617, 34.3348, 35.6801



32.0290, 34.3348, 38.0030



32.4077, 34.3348, 39.1429

Sweetspot

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



33.2480, 34.3363, 36.7740



61.5572, 64.4387, 69.8620



33.7725, 34.5453, 39.5386



13.8355, 14.4874, 15.7107



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.



33.2480, 34.3363, 36.7740



59.2524, 61.0664, 65.2790



33.7613, 35.3629, 36.9451



7.4935, 7.7002, 8.2092



11.7396, 6.0531, 0.5496



0.2468, 0.1273, 0.0116

Inverse Universe

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



33.6126, 36.0062, 39.8290



59.9734, 64.3683, 71.3195



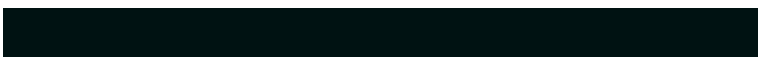
33.0868, 34.9545, 39.6537



7.5976, 8.1768, 9.0809



15.3062, 22.3918, 30.4451



0.3217, 0.4707, 0.6397

Previews

White Background



This preview shows how the XYZ color 33.2470, 34.3348, 36.7733 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 33.2470, 34.3348, 36.7733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

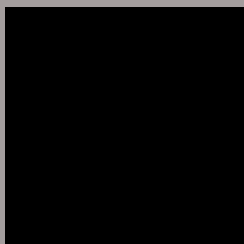
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

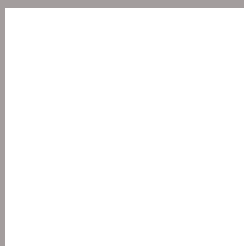
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2470, 34.3348, 36.7733

Background



This preview shows how black text looks on a background with the XYZ color 33.2470, 34.3348, 36.7733.

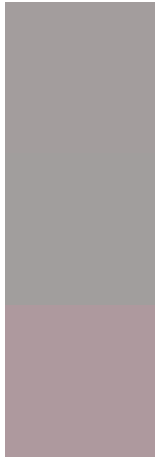


This preview shows how white text looks on a background with the XYZ color 33.2470, 34.3348,

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

33.2470, 34.3348, 36.7733

Protanopia

33.0106, 34.4651, 36.8109

Deuteranopia

35.0183, 34.2498, 37.1130



Tritanopia

34.3063, 34.2692, 41.8523

Trichromacy



Original Color

33.2470, 34.3348, 36.7733

Protanomaly

33.2130, 34.5694, 36.8203

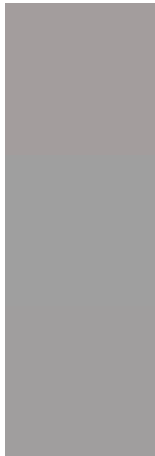
Deuteranomaly

34.3047, 34.1259, 37.1267

Tritanomaly

33.8991, 34.3498, 39.9655

Monochromacy



Original Color

33.2470, 34.3348, 36.7733

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.8956, 34.3959, 37.2530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2470, 34.3348, 36.7733 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(163, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 157)  
}
```

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(163, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.2470, 34.3348, 36.7733 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(163, 157, 157) }
```


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

```
.border{ border-color:rgb(163, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(163, 157,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2470, 34.3348, 36.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 157) }
```

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

```
.background{ background-color: rgb(163,  
157, 157) }
```

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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