

Converting Colors

XYZ(33.3971, 34.3629, 43.1208)

Have a look what the booklet for
XYZ(33.3971, 34.3629, 43.1208)
contains.

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Color

**XYZ(33.2173, 34.1843,
42.8777)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9DAA
RGB	157, 157, 170
RGB Percent	62%, 62%, 67%
CMY	0.3843, 0.3843, 0.3333
CMYK	0.08, 0.08, 0.00, 0.33
HSL	240°, 7%, 64%
HSV	240°, 8%, 67%
XYZ	33.2173, 34.1843, 42.8777
YIQ	158.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

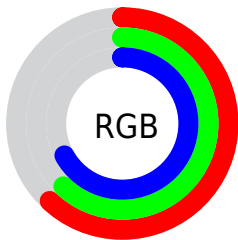
Format	Color
RYB	157, 157, 170
Decimal	10329514
CIELab	65.11, 2.59, -6.75
CIELCh	65, 7.231, 290.949
Yxy	34.1843, 0.3012, 0.3100
Android (android.graphics.Color)	4288519594 (0xFF9D9DAA)
YUV	158.4820, 5.6784, -1.2997
Hunter-Lab	58.4673, -0.9059, -2.5539

Details

The XYZ color **33.2173, 34.1843, 42.8777** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.0382, 39.7296, 37.6154**, and the grayscale version is **32.6955, 34.3982, 37.4597**.

A 20% lighter version of the original color is **64.2855, 66.5203, 80.6856**, and **14.3679, 14.6802, 19.2158** is the 20% darker color. If you saturate the color by 10%, you get **27.4503, 27.2359, 41.8410**, and if you desaturate by 10%, it is **39.8479, 42.1736, 44.0708**.

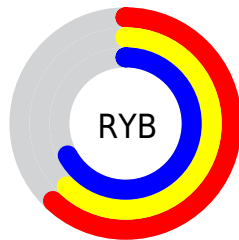
Distribution



Red (62%)

Green (62%)

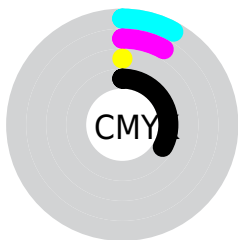
Blue (67%)



Red (62%)

Yellow (62%)

Blue (67%)

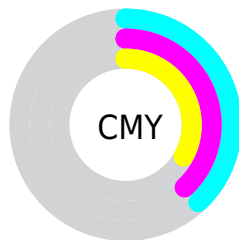


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (38%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2173, 34.1843, 42.8777 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 33.2173, 34.1843, 42.8777 by changing the saturation by 10% instead.

■ 33.2173, 34.1843,
42.8777

■ 33.2173, 34.1843,
42.8777

308.2755,
320.9531, 374.0150

■ 22.4530, 23.0352,
29.4585

■ 64.0670, 66.2202,
80.8106

■ 14.3086, 14.6195,
19.1794

■ 84.8832, 87.8757,
106.1615

■ 8.4187, 8.5528,
11.6218

109.7807,
113.8023, 136.3265

■ 4.4181, 4.4507,
6.3673

139.1249,
144.3842, 171.7244

■ 1.9413, 1.9287,
2.9973

173.2811,
180.0058, 212.7737

■ 0.6007, 0.5656,
1.0933

212.6147,

■ 0.0000, 0.0000,

221.0515, 259.8928

0.0000

257.4910,
267.9058, 313.5004

■ 33.2173, 34.1843,
42.8777

■ 33.2173, 34.1843,
42.8777

■ 27.4503, 27.2359,
41.8410

■ 39.8479, 42.1736,
44.0708

■ 22.5085, 21.2816,
40.9522

■ 47.3725, 51.2397,
45.4242

■ 18.3551, 16.2771,
40.2051

■ 55.8235, 61.4220,
46.9442

■ 14.9493, 12.1734,
39.5925

■ 65.2309, 72.7566,
48.6361

■ 12.2468, 8.9171,
39.1064

■ 75.6235, 85.2781,
50.5053

■ 10.1985, 6.4489,
38.7380

■ 84.2558, 95.6823,
52.0585

■ 8.7490, 4.7021,
38.4772

■ 7.8337, 3.5990,
38.3125

■ 7.3496, 3.0156,
38.2254

Harmonies

Analogous

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



32.1750, 34.1843, 43.2190



33.2173, 34.1843, 42.8777



34.0821, 34.1843, 40.9783

Triad

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



33.2173, 34.1843, 42.8777



33.7779, 34.1843, 32.9147



30.5406, 34.1843, 36.3199

Complementary

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



33.2173, 34.1843, 42.8777



37.0382, 39.7296, 37.6154

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.



30.9505, 34.1843, 33.7005



33.2173, 34.1843, 42.8777



32.8094, 34.1843, 31.8051

Square

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



33.2173, 34.1843, 42.8777



34.4106, 34.1843, 35.1945



31.7757, 34.1843, 32.0849



30.6445, 34.1843, 39.3236

Rectangle

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



33.2173, 34.1843, 42.8777



34.4343, 34.1843, 39.1376



31.7757, 34.1843, 32.0849



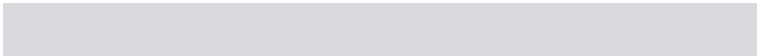
30.6225, 34.1843, 35.3678

Sweetspot

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



33.2183, 34.1857, 42.8785



66.8226, 69.9202, 78.9759



35.5152, 38.8122, 43.5430



14.9319, 15.6289, 17.6174



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.



33.2183, 34.1857, 42.8785



58.5843, 59.9942, 77.4942



34.4756, 34.8334, 42.9372



7.1319, 7.3007, 9.4516



5.3377, 2.1355, 28.1064



0.1299, 0.0520, 0.6838

Inverse Universe

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



34.7211, 35.0951, 36.8439



61.8188, 61.9512, 64.5065



35.7125, 39.0468, 37.5535



7.5312, 7.5423, 7.8484



12.1948, 6.2866, 0.5714



0.2967, 0.1530, 0.0140

Previews

White Background



This preview shows how the XYZ color 33.2173, 34.1843, 42.8777 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 33.2173, 34.1843, 42.8777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

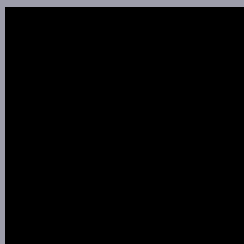
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

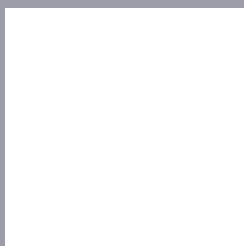
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2173, 34.1843, 42.8777

Background



This preview shows how black text looks on a background with the XYZ color 33.2173, 34.1843, 42.8777.

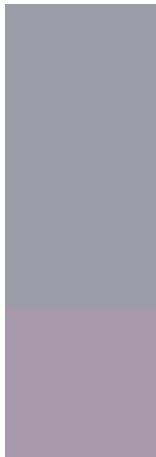


This preview shows how white text looks on a background with the XYZ color 33.2173, 34.1843,

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

33.2173, 34.1843, 42.8777

Protanopia

33.2173, 34.1843, 42.8777

Deuteranopia

34.6783, 33.9382, 43.2511



Tritanopia

33.2173, 34.1843, 42.8777

Trichromacy



Original Color

33.2173, 34.1843, 42.8777

Protanomaly

33.2173, 34.1843, 42.8777

Deuteranomaly

34.0105, 33.8380, 43.2669

Tritanomaly

33.2173, 34.1843, 42.8777

Monochromacy



Original Color

33.2173, 34.1843, 42.8777

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8490, 34.3315, 39.0777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2173, 34.1843, 42.8777 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(157, 157, 170)` looks like.

```
.text, #text, p{  
    color:rgb(157, 157, 170)  
}
```

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(157, 157, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 157, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.2173, 34.1843, 42.8777 is called "border". The border property can be set on classes, ids or directly on the HTML element.

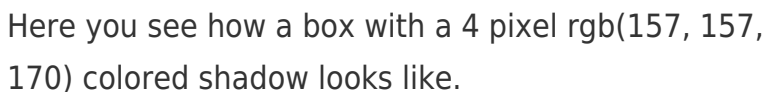
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 157, 170) }
```


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

```
.border{ border-color:rgb(157, 157, 170) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 157, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 157, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 157, 170);  
box-shadow:4px 4px 4px 4px rgb(157, 157,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2173, 34.1843, 42.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 157, 170) }
```

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

```
.background{ background-color: rgb(157,  
157, 170) }
```

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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