

Converting Colors

XYZ(33.4276, 33.2259, 46.2464)

Have a look what the booklet for
XYZ(33.4276, 33.2259, 46.2464)
contains.

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Color

**XYZ(33.4276, 33.2259,
46.2464)**

Conversions

Conversions Part 1

Format	Color
Hex	9E99B1
RGB	158, 153, 177
RGB Percent	62%, 60%, 69%
CMY	0.3804, 0.4000, 0.3059
CMYK	0.11, 0.14, 0.00, 0.31
HSL	252°, 13%, 65%
HSV	252°, 14%, 69%
XYZ	33.4276, 33.2259, 46.2464
YIQ	157.2310, -4.7240, 8.5240

Conversions

Conversions Part 2

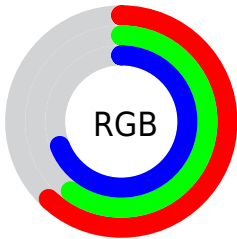
Format	Color
RYB	158, 153, 177
Decimal	10394033
CIELab	64.34, 6.63, -11.82
CIElCh	64, 13.546, 299.281
Yxy	33.2259, 0.2961, 0.2943
Android (android.graphics.Color)	4288584113 (0xFF9E99B1)
YUV	157.2310, 9.7461, 0.6744
Hunter-Lab	57.6419, 2.6421, -7.2193

Details

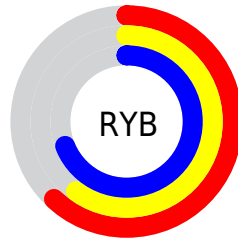
The XYZ color **33.4276, 33.2259, 46.2464** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.4864, 42.5157, 36.3165**, and the grayscale version is **32.1116, 33.7839, 36.7907**.

A 20% lighter version of the original color is **64.4614, 64.6550, 86.1730**, and **14.4529, 14.0838, 21.0255** is the 20% darker color. If you saturate the color by 10%, you get **28.1418, 26.5153, 45.2302**, and if you desaturate by 10%, it is **39.4595, 40.9608, 47.4220**.

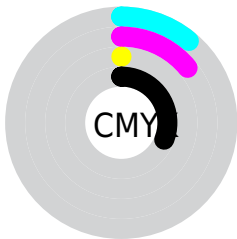
Distribution



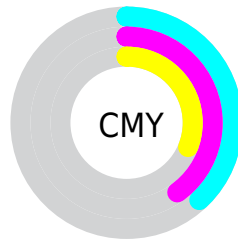
- Red (62%)
- Green (60%)
- Blue (69%)



- Red (62%)
- Yellow (60%)
- Blue (69%)



- Cyan (11%)
- Magenta (14%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4276, 33.2259, 46.2464 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 33.4276, 33.2259, 46.2464 by changing the saturation by 10% instead.

■ 33.4276, 33.2259,
46.2464

■ 33.4276, 33.2259,
46.2464

309.2032,
316.6664, 388.1047

■ 22.6150, 22.2996,
32.0902

■ 64.3928, 64.7281,
85.9258

■ 14.4286, 14.0772,
21.1650

■ 85.2761, 86.0727,
112.2861

■ 8.5031, 8.1744,
13.0523

110.2470,
111.6588, 143.5516

■ 4.4730, 4.2067,
7.3334

139.6708,
141.8709, 180.1407

■ 1.9730, 1.7899,
3.5899

173.9130,
177.0933, 222.4720

■ 0.6188, 0.4808,
1.4032

213.3389,

■ 0.0000, 0.0000,

217.7104, 270.9641

0.1442

258.3139,
264.1067, 326.0355

■ 0.0000, 0.0000,
0.0000

■ 33.4276, 33.2259,
46.2464

■ 33.4276, 33.2259,
46.2464

■ 28.1418, 26.5153,
45.2302

■ 39.4595, 40.9608,
47.4220

■ 23.5697, 20.7818,
44.3645

■ 46.2623, 49.7564,
48.7612

■ 19.6810, 15.9805,
43.6427

■ 53.8631, 59.6523,
50.2707

■ 16.4420, 12.0613,
43.0570

■ 62.2870, 70.6851,
51.9562

■ 13.8159, 8.9696,
42.5986

■ 71.5579, 82.8894,
53.8232

■ 11.7624, 6.6443,
42.2580

■ 80.3427, 93.5865,
55.4250

■ 10.2356, 5.0159,
42.0242

■ 84.9359, 95.9544,
55.6399

■ 9.1821, 4.0014,
41.8839

■ 8.6940, 3.5652,
41.8254

Harmonies

Analogous

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



31.5338, 33.2259, 47.8611



33.4276, 33.2259, 46.2464



34.8744, 33.2259, 41.8741

Triad

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



33.4276, 33.2259, 46.2464



33.5113, 33.2259, 27.7990



28.0178, 33.2259, 36.0444

Complementary

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



33.4276, 33.2259, 46.2464



38.4864, 42.5157, 36.3165

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.



28.5003, 33.2259, 31.0222



33.4276, 33.2259, 46.2464



31.6267, 33.2259, 26.5690

Square

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



33.4276, 33.2259, 46.2464



34.9240, 33.2259, 31.2308



29.8022, 33.2259, 27.6874



28.4570, 33.2259, 41.6204

Rectangle

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



33.4276, 33.2259, 46.2464



35.3631, 33.2259, 38.1874



29.8022, 33.2259, 27.6874



28.0772, 33.2259, 34.2391

Sweetspot

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



33.4286, 33.2273, 46.2471



70.0853, 72.6059, 84.8157



35.8644, 39.5289, 47.3351



15.0064, 15.5003, 18.3453



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.4286, 33.2273, 46.2471



57.1679, 56.0662, 82.3041



35.8625, 34.4820, 46.3610



8.2019, 8.3126, 10.6785



6.3412, 2.6048, 30.3056



0.2474, 0.1066, 0.9558

Inverse Universe

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



36.9702, 35.1096, 43.8596



64.6593, 60.0491, 77.1863



36.0102, 41.2392, 36.2006



8.7727, 8.6158, 10.3015



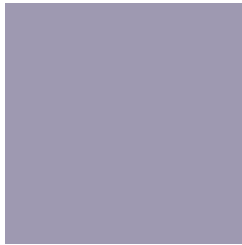
16.5964, 8.1561, 18.8322



0.5413, 0.2643, 0.6932

Previews

White Background



This preview shows how the XYZ color 33.4276, 33.2259, 46.2464 looks on a white background.

Color Contrast Check

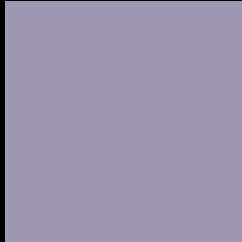
Large Text (above 18pt) WCAG AA × Fail

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 33.4276, 33.2259, 46.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

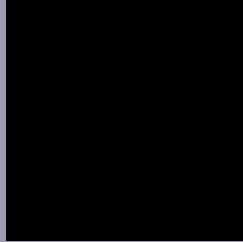
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4276, 33.2259, 46.2464

Background



This preview shows how black text looks on a background with the XYZ color 33.4276, 33.2259, 46.2464.



This preview shows how white text looks on a background with the XYZ color 33.4276, 33.2259,

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

33.4276, 33.2259, 46.2464

Protanopia

32.7061, 33.3324, 46.8295

Deuteranopia

33.8620, 33.2079, 46.2200



Tritanopia

32.4067, 33.3006, 41.2789

Trichromacy



Original Color

33.4276, 33.2259, 46.2464

Protanomaly

32.9179, 33.1956, 46.7919

Deuteranomaly

33.6613, 33.1044, 46.2106

Tritanomaly

32.8109, 33.2196, 43.2108

Monochromacy



Original Color

33.4276, 33.2259, 46.2464

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.4939, 33.6254, 39.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4276, 33.2259, 46.2464 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(158, 153, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 153, 177)  
}
```

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(158, 153, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 153, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.4276, 33.2259, 46.2464 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(158, 153, 177) }
```


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

```
.border{ border-color:rgb(158, 153, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 153, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 153, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 153, 177);  
box-shadow:4px 4px 4px 4px rgb(158, 153,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4276, 33.2259, 46.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 153, 177) }
```

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

```
.background{ background-color: rgb(158,  
153, 177) }
```

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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