

Converting Colors

XYZ(33.5802, 33.5684, 49.6564)

Have a look what the booklet for
XYZ(33.5802, 33.5684, 49.6564)
contains.

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Color

**XYZ(33.4293, 33.4001,
49.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9AB7
RGB	154, 154, 183
RGB Percent	60%, 60%, 72%
CMY	0.3961, 0.3961, 0.2823
CMYK	0.16, 0.16, 0.00, 0.28
HSL	240°, 17%, 66%
HSV	240°, 16%, 72%
XYZ	33.4293, 33.4001, 49.4847
YIQ	157.3060, -9.3090, 9.0190

Conversions

Conversions Part 2

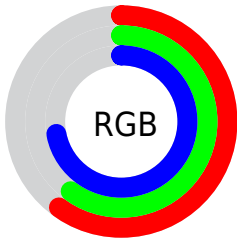
Format	Color
RYB	154, 154, 183
Decimal	10132151
CIELab	64.48, 6.03, -15.00
CIELCh	64, 16.169, 291.886
Yxy	33.4001, 0.2874, 0.2872
Android (android.graphics.Color)	4288322231 (0xFF9A9AB7)
YUV	157.3060, 12.6671, -2.8994
Hunter-Lab	57.7928, 2.1129, -10.3117

Details

The XYZ color **33.4293, 33.4001, 49.4847** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.2950, 46.2674, 37.2741**, and the grayscale version is **32.1341, 33.8076, 36.8165**.

A 20% lighter version of the original color is **64.4304, 64.8991, 90.7923**, and **14.4730, 14.1958, 23.0963** is the 20% darker color. If you saturate the color by 10%, you get **27.4149, 26.1533, 48.4035**, and if you desaturate by 10%, it is **40.4372, 41.8442, 50.7458**.

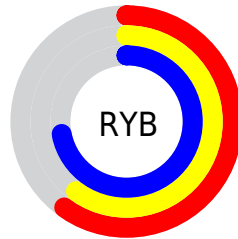
Distribution



Red (60%)

Green (60%)

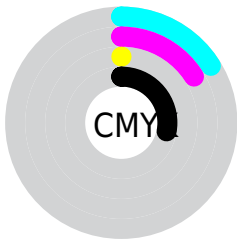
Blue (72%)



Red (60%)

Yellow (60%)

Blue (72%)

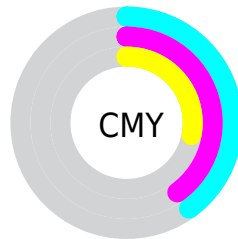


Cyan (16%)

Magenta (16%)

Yellow (0%)

Black (28%)



Cyan (40%)

Magenta (40%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4293, 33.4001, 49.4847 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 33.4293, 33.4001, 49.4847 by changing the saturation by 10% instead.

■ 33.4293, 33.4001,
49.4847

■ 33.4293, 33.4001,
49.4847

309.2107,
317.4488, 401.3246

■ 22.6163, 22.4331,
34.6358

■ 64.3954, 64.9997,
90.7993

■ 14.4296, 14.1755,
23.1012

■ 85.2792, 86.4011,
118.1022

■ 8.5038, 8.2428,
14.4622

110.2507,
112.0494, 150.3934

■ 4.4734, 4.2507,
8.3004

139.6753,
142.3290, 188.0916

■ 1.9733, 1.8148,
4.1973

173.9182,
177.6244, 231.6153

■ 0.6189, 0.4964,
1.7342

213.3448,

■ 0.0000, 0.0000,

218.3199, 281.3830

0.3840

258.3205,
264.7999, 337.8132

■ 0.0000, 0.0000,
0.0000

■ 33.4293, 33.4001,
49.4847

■ 33.4293, 33.4001,
49.4847

■ 27.4149, 26.1533,
48.4035

■ 40.4372, 41.8442,
50.7458

■ 22.3461, 20.0459,
47.4918

■ 48.4774, 51.5320,
52.1919

■ 18.1759, 15.0210,
46.7417

■ 57.5905, 62.5125,
53.8311

■ 14.8518, 11.0156,
46.1437

■ 67.8138, 74.8307,
55.6699

■ 12.3159, 7.9600,
45.6876

■ 79.1830, 88.5296,
57.7148

■ 10.5032, 5.7758,
45.3615

■ 85.5473, 96.1989,
58.8597

■ 9.3382, 4.3720,
45.1520

■ 8.7251, 3.6332,
45.0417

■ 8.5474, 3.4191,
45.0097

Harmonies

Analogous

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



31.1234, 33.4001, 50.4598



33.4293, 33.4001, 49.4847



35.3678, 33.4001, 44.7914

Triad

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



33.4293, 33.4001, 49.4847



34.5652, 33.4001, 27.2540



27.5511, 33.4001, 34.6020

Complementary

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



33.4293, 33.4001, 49.4847



42.2950, 46.2674, 37.2741

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.



28.3799, 33.4001, 29.0713



33.4293, 33.4001, 49.4847



32.3765, 33.4001, 25.1778

Square

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



33.4293, 33.4001, 49.4847



36.0454, 33.4001, 31.8312



30.1198, 33.4001, 25.8002



27.8024, 33.4001, 41.3145

Rectangle

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



33.4293, 33.4001, 49.4847



36.1543, 33.4001, 40.4644



30.1198, 33.4001, 25.8002



27.7111, 33.4001, 32.5560

Sweetspot

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



33.4303, 33.4015, 49.4854



73.4551, 76.1868, 91.0697



38.7576, 44.1365, 51.0134



16.0145, 16.5749, 20.0768



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.4303, 33.4015, 49.4854



55.9396, 55.0820, 87.9193



36.2556, 34.8577, 49.6176



8.5212, 8.7196, 11.3134



5.9628, 2.3852, 31.3992



0.2102, 0.0841, 1.1069

Inverse Universe

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



36.9176, 35.5125, 35.4821



63.3697, 59.5797, 58.0836



39.1255, 44.6339, 37.1258



9.0047, 9.0122, 9.3719



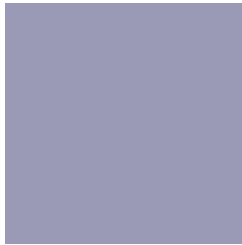
13.6234, 7.0231, 0.6378



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 33.4293, 33.4001, 49.4847 looks on a white background.

Color Contrast Check

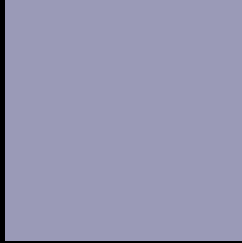
Large Text (above 18pt) WCAG AA × Fail

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 33.4293, 33.4001, 49.4847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

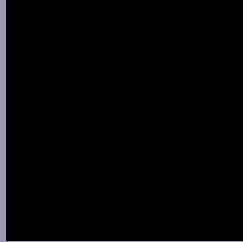
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4293, 33.4001, 49.4847

Background



This preview shows how black text looks on a background with the XYZ color 33.4293, 33.4001, 49.4847.



This preview shows how white text looks on a background with the XYZ color 33.4293, 33.4001,

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

33.4293, 33.4001, 49.4847

Protanopia

33.1356, 33.4827, 50.0638

Deuteranopia

34.0390, 33.4705, 49.4661



Tritanopia

31.9988, 33.3169, 42.2804

Trichromacy



Original Color

33.4293, 33.4001, 49.4847

Protanomaly

33.3220, 33.5788, 50.0725

Deuteranomaly

33.8431, 33.3695, 49.4570

Tritanomaly

32.4982, 33.2710, 44.7535

Monochromacy



Original Color

33.4293, 33.4001, 49.4847

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.4817, 33.5980, 40.8495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4293, 33.4001, 49.4847 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(154, 154, 183)` looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 183)  
}
```

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(154, 154, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 183) }
```

Border

The CSS property to change the border of an element to XYZ 33.4293, 33.4001, 49.4847 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(154, 154, 183) }
```


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

```
.border{ border-color:rgb(154, 154, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 154, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 183);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4293, 33.4001, 49.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 183) }
```

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

```
.background{ background-color: rgb(154,  
154, 183) }
```

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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