

Converting Colors

XYZ(33.1134, 31.8066, 42.2229)

Have a look what the booklet for
XYZ(33.1134, 31.8066, 42.2229)
contains.

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Color

**XYZ(32.9993, 31.6622,
42.4024)**

Conversions

Conversions Part 1

Format	Color
Hex	A493AA
RGB	164, 147, 170
RGB Percent	64%, 58%, 67%
CMY	0.3569, 0.4235, 0.3333
CMYK	0.04, 0.14, 0.00, 0.33
HSL	284°, 12%, 62%
HSV	284°, 14%, 67%
XYZ	32.9993, 31.6622, 42.4024
YIQ	154.7050, 2.7490, 10.7570

Conversions

Conversions Part 2

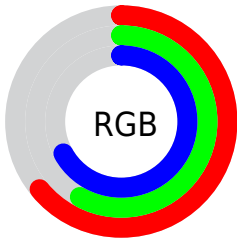
Format	Color
RYB	164, 147, 170
Decimal	10785706
CIELab	63.06, 10.63, -9.74
CIELCh	63, 14.417, 317.516
Yxy	31.6622, 0.3082, 0.2957
Android (android.graphics.Color)	4288975786 (0xFFA493AA)
YUV	154.7050, 7.5404, 8.1517
Hunter-Lab	56.2692, 6.2110, -5.2904

Details

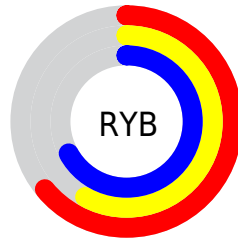
The XYZ color **32.9993, 31.6622, 42.4024** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7791, 37.6291, 33.1408**, and the grayscale version is **30.9931, 32.6071, 35.5092**.

A 20% lighter version of the original color is **63.6907, 62.2696, 79.8965**, and **14.1350, 13.1185, 18.9267** is the 20% darker color. If you saturate the color by 10%, you get **29.6496, 26.2975, 41.5439**, and if you desaturate by 10%, it is **36.7735, 37.8274, 43.3940**.

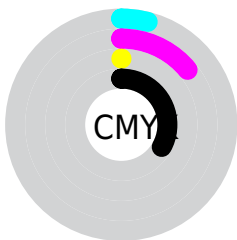
Distribution



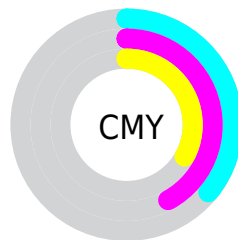
- Red (64%)
- Green (58%)
- Blue (67%)



- Red (64%)
- Yellow (58%)
- Blue (67%)



- Cyan (4%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9993, 31.6622, 42.4024 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 32.9993, 31.6622, 42.4024 by changing the saturation by 10% instead.

■ 32.9993, 31.6622,
42.4024

■ 32.9993, 31.6622,
42.4024

307.3116,
309.5776, 371.9971

■ 22.2851, 21.1036,
29.0886

■ 63.7291, 62.2811,
80.0849

■ 14.1843, 13.1998,
18.9017

■ 84.4755, 83.1103,
105.2907

■ 8.3316, 7.5662,
11.4232

109.2967,
108.1318, 135.2976

■ 4.3614, 3.8187,
6.2345

138.5579,
137.7299, 170.5241

■ 1.9086, 1.5727,
2.9171

172.6247,
172.2892, 211.3888

■ 0.5818, 0.3391,
1.0525

211.8624,

■ 0.0000, 0.0000,

212.1940, 258.3101

0.0000

256.6362,
257.8286, 311.7067

■ 32.9993, 31.6622,
42.4024

■ 32.9993, 31.6622,
42.4024

■ 29.6496, 26.2975,
41.5439

■ 36.7735, 37.8274,
43.3940

■ 26.7042, 21.6949,
40.8108

■ 40.9856, 44.8212,
44.5219

■ 24.1453, 17.8190,
40.1975

■ 45.6521, 52.6754,
45.7920

■ 21.9527, 14.6298,
39.6975

■ 50.7876, 61.4188,
47.2089

■ 20.1043, 12.0834,
39.3034

■ 56.4061, 71.0790,
48.7774

■ 18.5752, 10.1309,
39.0071

■ 62.5209, 81.6823,
50.5018

■ 17.3373, 8.7160,
38.7993

■ 65.5333, 86.0305,
51.1823

■ 16.3564, 7.7715,
38.6687

■ 66.6967, 86.6303,
51.2367

■ 15.8088, 7.3115,
38.6088

■ 67.8945, 87.2478,
51.2928

Harmonies

Analogous

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



31.2581, 31.6622, 45.9930



32.9993, 31.6622, 42.4024



33.9790, 31.6622, 36.8937

Triad

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



32.9993, 31.6622, 42.4024



30.9272, 31.6622, 24.8601



26.5968, 31.6622, 37.8726

Complementary

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



32.9993, 31.6622, 42.4024



32.7791, 37.6291, 33.1408

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.



26.5169, 31.6622, 32.1639



32.9993, 31.6622, 42.4024



28.9591, 31.6622, 25.0605

Square

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



32.9993, 31.6622, 42.4024



32.7478, 31.6622, 27.0211



27.3644, 31.6622, 27.6024



27.5875, 31.6622, 43.1866

Rectangle

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



32.9993, 31.6622, 42.4024



34.0414, 31.6622, 33.0638



27.3644, 31.6622, 27.6024



26.4641, 31.6622, 35.9253

Sweetspot

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



33.0002, 31.6636, 42.4031



66.3276, 67.9855, 78.6286



30.7026, 31.9328, 42.5762



14.6733, 14.9668, 17.5032



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.



33.0002, 31.6636, 42.4031



58.1201, 54.6179, 76.4809



33.7704, 32.1181, 39.8429



7.6481, 7.5667, 9.4758



11.6831, 5.4063, 28.4032



0.3281, 0.1542, 0.6931

Inverse Universe

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



32.7621, 31.7147, 34.5331



57.6318, 54.7410, 59.5230



32.1060, 37.2323, 35.3591



7.6085, 7.5732, 8.2554



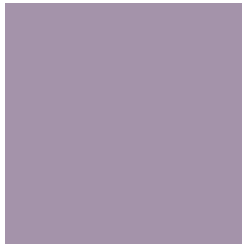
12.5540, 6.4303, 2.4630



0.3259, 0.1646, 0.1674

Previews

White Background



This preview shows how the XYZ color 32.9993, 31.6622, 42.4024 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 32.9993, 31.6622, 42.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

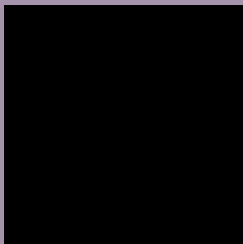
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9993, 31.6622, 42.4024

Background



This preview shows how black text looks on a background with the XYZ color 32.9993, 31.6622, 42.4024.



This preview shows how white text looks on a background with the XYZ color 32.9993, 31.6622,

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

32.9993, 31.6622, 42.4024

Protanopia

31.1655, 31.8632, 44.0428

Deuteranopia

32.5003, 31.8708, 42.4689



Tritanopia

32.1969, 31.8195, 37.7025

Trichromacy



Original Color

32.9993, 31.6622, 42.4024

Protanomaly

31.6792, 31.6613, 43.4713

Deuteranomaly

32.5435, 31.6592, 42.4258

Tritanomaly

32.3950, 31.6467, 39.5230

Monochromacy



Original Color

32.9993, 31.6622, 42.4024

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.6740, 32.2636, 37.8158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9993, 31.6622, 42.4024 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(164, 147, 170)` looks like.

```
.text, #text, p{  
    color:rgb(164, 147, 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(164, 147, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 147, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.9993, 31.6622, 42.4024 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(164, 147, 170) }
```


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

```
.border{ border-color:rgb(164, 147, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 147, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 147, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 147, 170);  
box-shadow:4px 4px 4px 4px rgb(164, 147,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9993, 31.6622, 42.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 147, 170) }
```

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

```
.background{ background-color: rgb(164,  
147, 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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