

Converting Colors

XYZ(31.6755, 32.4105, 24.4673)

Have a look what the booklet for
XYZ(31.6755, 32.4105, 24.4673)
contains.

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Color

**XYZ(31.6271, 32.2975,
24.3058)**

Conversions

Conversions Part 1

Format	Color
Hex	AB977E
RGB	171, 151, 126
RGB Percent	67%, 59%, 49%
CMY	0.3294, 0.4078, 0.5059
CMYK	0.00, 0.12, 0.26, 0.33
HSL	33°, 21%, 58%
HSV	33°, 26%, 67%
XYZ	31.6271, 32.2975, 24.3058
YIQ	154.1300, 19.9450, -3.5350

Conversions

Conversions Part 2

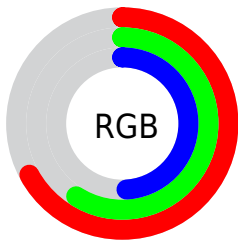
Format	Color
RYB	162, 171, 126
Decimal	11245438
CIELab	63.59, 3.43, 15.90
CIELCh	64, 16.262, 77.833
Yxy	32.2975, 0.3585, 0.3661
Android (android.graphics.Color)	4289435518 (0xFFAB977E)
YUV	154.1300, -13.8681, 14.7950
Hunter-Lab	56.8309, -0.1166, 14.4241

Details

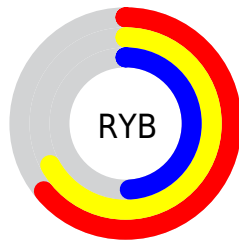
The XYZ color **31.6271, 32.2975, 24.3058** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **26.2336, 27.9330, 42.5372**, and the grayscale version is **30.8258, 32.4311, 35.3175**.

A 20% lighter version of the original color is **61.6466, 63.2482, 51.6068**, and **13.3679, 13.5017, 8.9227** is the 20% darker color. If you saturate the color by 10%, you get **29.4331, 29.5269, 18.5881**, and if you desaturate by 10%, it is **34.0902, 35.3042, 31.0445**.

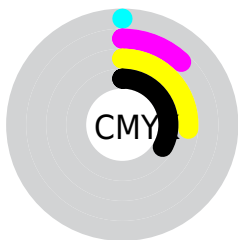
Distribution



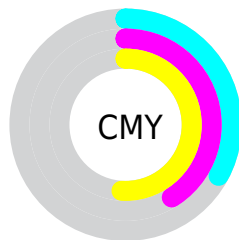
- Red (67%)
- Green (59%)
- Blue (49%)



- Red (64%)
- Yellow (67%)
- Blue (49%)



- Cyan (0%)
- Magenta (12%)
- Yellow (26%)
- Black (33%)



- Cyan (33%)
- Magenta (41%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6271, 32.2975, 24.3058 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 31.6271, 32.2975, 24.3058 by changing the saturation by 10% instead.

■ 31.6271, 32.2975,
24.3058

■ 31.6271, 32.2975,
24.3058

301.1926,
312.4722, 287.6991

■ 21.2310, 21.5888,
15.3463

■ 61.5952, 63.2772,
51.4788

■ 13.4064, 13.5551,
8.9135

■ 81.8979, 84.3170,
70.5295

■ 7.7879, 7.8119,
4.5888

■ 106.2335,
109.5693, 93.7809

■ 4.0102, 3.9748,
1.9536

134.9674,
139.4185, 121.6517

■ 1.7079, 1.6595,
0.5265

168.4649,
174.2490, 154.5604

■ 0.4612, 0.3972,
0.0000

207.0913,

■ 0.0000, 0.0000,

214.4452, 192.9255

0.0000

251.2121,
260.3915, 237.1655

■ 31.6271, 32.2975,
24.3058

■ 31.6271, 32.2975,
24.3058

■ 29.4331, 29.5269,
18.5881

■ 34.0902, 35.3042,
31.0445

■ 27.4947, 26.9812,
13.8385

■ 36.8304, 38.5489,
38.8497

■ 25.8008, 24.6546,
10.0021

■ 39.8581, 42.0393,
47.7663

■ 24.3383, 22.5395,
7.0178

■ 43.1825, 45.7813,
57.8364

■ 23.0926, 20.6273,
4.8168

■ 46.8126, 49.7805,
69.0995

■ 22.0470, 18.9088,
3.3196

■ 50.7566, 54.0423,
81.5934

■ 21.1794, 17.3723,
2.4179

■ 55.0227, 58.5719,
95.3543

■ 20.8881, 16.8448,
2.1505

■ 58.3366, 62.8618,
103.6666

■ 60.2786, 66.7459,
104.3140

Harmonies

Analogous

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



33.7226, 32.2975, 26.6897



31.6271, 32.2975, 24.3058



29.3802, 32.2975, 24.5567

Triad

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



31.6271, 32.2975, 24.3058



26.7267, 32.2975, 39.1361



34.0486, 32.2975, 44.2448

Complementary

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



31.6271, 32.2975, 24.3058



26.2336, 27.9330, 42.5372

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.



32.0543, 32.2975, 48.4617



31.6271, 32.2975, 24.3058



27.8595, 32.2975, 45.2713

Square

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



31.6271, 32.2975, 24.3058



26.6250, 32.2975, 32.5967



29.7869, 32.2975, 48.8589



35.1661, 32.2975, 37.8679

Rectangle

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



31.6271, 32.2975, 24.3058



28.0972, 32.2975, 26.1873



29.7869, 32.2975, 48.8589



33.4541, 32.2975, 45.9942

Sweetspot

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



31.6279, 32.2990, 24.3065



65.0269, 67.9451, 66.8783



29.4635, 25.6632, 30.6972



14.3356, 14.9572, 14.4382



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.



31.6279, 32.2990, 24.3065



54.1319, 54.6942, 36.9217



34.6376, 39.0398, 25.4490



8.3603, 8.7255, 8.4569



15.7996, 12.8048, 1.6388



0.4930, 0.4631, 0.0634

Inverse Universe

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



26.2336, 27.9330, 42.5372



42.7118, 45.4534, 75.5241



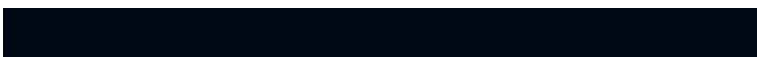
23.7517, 22.4710, 41.6137



7.8609, 8.3211, 10.1445



7.5399, 6.2136, 29.8465



0.2648, 0.2830, 0.8487

Previews

White Background



This preview shows how the XYZ color 31.6271, 32.2975, 24.3058 looks on a white background.

Color Contrast Check

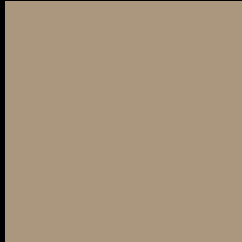
Large Text (above 18pt) WCAG AA × Fail

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 31.6271, 32.2975, 24.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

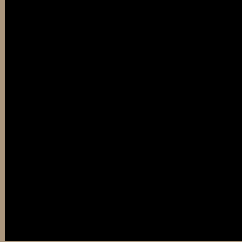
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6271, 32.2975, 24.3058

Background



This preview shows how black text looks on a background with the XYZ color 31.6271, 32.2975, 24.3058.



This preview shows how white text looks on a background with the XYZ color 31.6271, 32.2975,

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

31.6271, 32.2975, 24.3058

Protanopia

30.4906, 32.4300, 24.7313

Deuteranopia

33.0111, 32.2958, 24.5725



Tritanopia

34.2845, 32.4500, 36.8042

Trichromacy



Original Color

31.6271, 32.2975, 24.3058

Protanomaly

30.9479, 32.4218, 24.7056

Deuteranomaly

32.4827, 32.2573, 24.5929

Tritanomaly

33.2338, 32.2538, 31.6681

Monochromacy



Original Color

31.6271, 32.2975, 24.3058

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9225, 32.2697, 30.9844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6271, 32.2975, 24.3058 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(171, 151, 126)` looks like.

```
.text, #text, p{  
    color:rgb(171, 151, 126)  
}
```

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(171, 151, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 151, 126) }
```

Border

The CSS property to change the border of an element to XYZ 31.6271, 32.2975, 24.3058 is called "border". The border property can be set on classes, ids or directly on the HTML element.

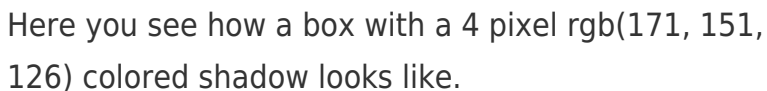
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 151, 126) }
```


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

```
.border{ border-color:rgb(171, 151, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 151, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 151, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 151, 126); box-shadow:4px 4px 4px 4px rgb(171, 151, 126) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6271, 32.2975, 24.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 151, 126) }
```

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

```
.background{ background-color: rgb(171,  
151, 126) }
```

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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