

Converting Colors

XYZ(32.0436, 33.0407, 24.4039)

Have a look what the booklet for
XYZ(32.0436, 33.0407, 24.4039)
contains.

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Color

**XYZ(31.9517, 32.9468,
24.4140)**

Conversions

Conversions Part 1

Format	Color
Hex	AB997E
RGB	171, 153, 126
RGB Percent	67%, 60%, 49%
CMY	0.3294, 0.4000, 0.5059
CMYK	0.00, 0.11, 0.26, 0.33
HSL	36°, 21%, 58%
HSV	36°, 26%, 67%
XYZ	31.9517, 32.9468, 24.4140
YIQ	155.3040, 19.3950, -4.5810

Conversions

Conversions Part 2

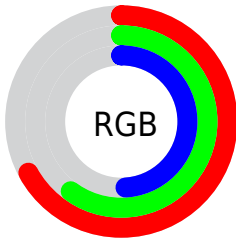
Format	Color
RYB	156, 171, 126
Decimal	11245950
CIELab	64.12, 2.32, 16.63
CIELCh	64, 16.792, 82.041
Yxy	32.9468, 0.3578, 0.3689
Android (android.graphics.Color)	4289436030 (0xFFAB997E)
YUV	155.3040, -14.4469, 13.7654
Hunter-Lab	57.3993, -1.0856, 14.9613

Details

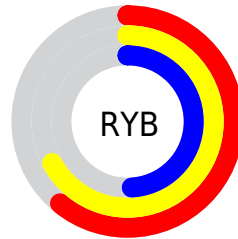
The XYZ color **31.9517, 32.9468, 24.4140** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.9278, 27.3215, 42.4351**, and the grayscale version is **31.3471, 32.9796, 35.9148**.

A 20% lighter version of the original color is **62.1281, 64.2112, 51.7673**, and **13.5621, 13.8901, 8.9874** is the 20% darker color. If you saturate the color by 10%, you get **29.8541, 30.3690, 18.7285**, and if you desaturate by 10%, it is **34.3038, 35.7314, 31.1157**.

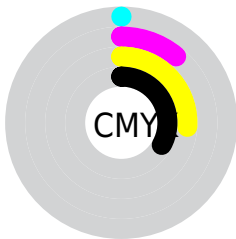
Distribution



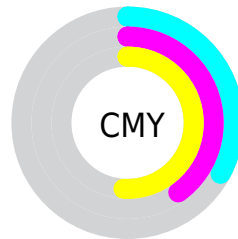
- Red (67%)
- Green (60%)
- Blue (49%)



- Red (61%)
- Yellow (67%)
- Blue (49%)



- Cyan (0%)
- Magenta (11%)
- Yellow (26%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9517, 32.9468, 24.4140 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 31.9517, 32.9468, 24.4140 by changing the saturation by 10% instead.

■ 31.9517, 32.9468,
24.4140

■ 31.9517, 32.9468,
24.4140

302.6484,
315.4099, 288.2606

■ 21.4800, 22.0857,
15.4260

■ 62.1011, 64.2925,
51.6572

■ 13.5898, 13.9199,
8.9690

■ 82.5094, 85.5458,
70.7495

■ 7.9157, 8.0650,
4.6244

■ 106.9607,
111.0320, 94.0469

■ 4.0924, 4.1365,
1.9738

135.8203,
141.1355, 121.9681

■ 1.7545, 1.7502,
0.5391

169.4534,
176.2406, 154.9315

■ 0.4900, 0.4559,
0.0000

208.2256,

■ 0.0000, 0.0000,

216.7318, 193.3557

0.0000

252.5021,
262.9935, 237.6592

■ 31.9517, 32.9468,
24.4140

■ 31.9517, 32.9468,
24.4140

■ 29.8541, 30.3690,
18.7285

■ 34.3038, 35.7314,
31.1157

■ 27.9978, 27.9874,
14.0062

■ 36.9178, 38.7239,
38.8788

■ 26.3722, 25.7974,
10.1926

■ 39.8040, 41.9312,
47.7483

■ 24.9645, 23.7919,
7.2265

■ 42.9711, 45.3585,
57.7658

■ 23.7607, 21.9636,
5.0396

■ 46.4276, 49.0105,
68.9710

■ 22.7446, 20.3040,
3.5521

■ 50.1815, 52.8921,
81.4016

■ 21.8945, 18.8025,
2.6562

■ 54.2406, 57.0079,
95.0935

■ 21.6067, 18.2821,
2.3900

■ 57.3304, 60.8495,
103.3312

■ 59.0308, 64.2503,
103.8980

Harmonies

Analogous

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



34.2096, 32.9468, 26.5154



31.9517, 32.9468, 24.4140



29.6317, 32.9468, 25.0620

Triad

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



31.9517, 32.9468, 24.4140



27.2687, 32.9468, 41.0105



35.0566, 32.9468, 44.5373

Complementary

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



31.9517, 32.9468, 24.4140



25.9278, 27.3215, 42.4351

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.



33.0607, 32.9468, 49.4178



31.9517, 32.9468, 24.4140



28.5883, 32.9468, 47.2089

Square

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



31.9517, 32.9468, 24.4140



27.0052, 32.9468, 34.0924



30.6867, 32.9468, 50.4527



36.0604, 32.9468, 37.7155

Rectangle

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



31.9517, 32.9468, 24.4140



28.3543, 32.9468, 27.0082



30.6867, 32.9468, 50.4527



34.4748, 32.9468, 46.4931

Sweetspot

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



31.9526, 32.9483, 24.4147



65.2270, 68.3453, 66.9450



29.2897, 25.5936, 29.7822



14.3879, 15.0618, 14.4557



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.



31.9526, 32.9483, 24.4147



54.8244, 56.0791, 37.1525



34.1598, 38.7934, 25.4266



8.3898, 8.7845, 8.4668



16.3408, 13.8871, 1.8192



0.5062, 0.4895, 0.0678

Inverse Universe

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



25.9278, 27.3215, 42.4351



42.0708, 44.1715, 75.3105



24.0947, 22.6479, 41.6296



7.8319, 8.2632, 10.1349



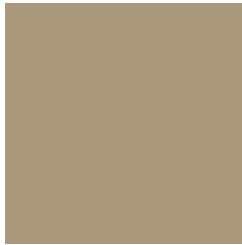
7.1659, 5.4657, 29.7218



0.2538, 0.2609, 0.8450

Previews

White Background



This preview shows how the XYZ color 31.9517, 32.9468, 24.4140 looks on a white background.

Color Contrast Check

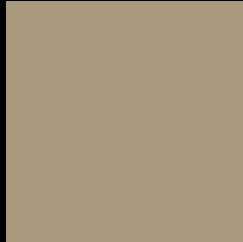
Large Text (above 18pt) WCAG AA × Fail

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 31.9517, 32.9468, 24.4140 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

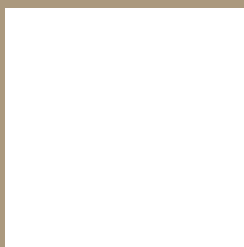
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9517, 32.9468, 24.4140

Background



This preview shows how black text looks on a background with the XYZ color 31.9517, 32.9468, 24.4140.



This preview shows how white text looks on a background with the XYZ color 31.9517, 32.9468,

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

31.9517, 32.9468, 24.4140

Protanopia

31.0692, 32.9743, 24.8058

Deuteranopia

33.4006, 32.7305, 24.6359



Tritanopia

34.6143, 32.8318, 37.7705

Trichromacy



Original Color

31.9517, 32.9468, 24.4140

Protanomaly

31.3227, 32.8590, 24.7702

Deuteranomaly

32.8686, 32.6921, 24.6565

Tritanomaly

33.7072, 32.9495, 32.6003

Monochromacy



Original Color

31.9517, 32.9468, 24.4140

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2876, 32.7019, 31.0486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9517, 32.9468, 24.4140 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, 153, 126)` looks like.

```
.text, #text, p{  
    color:rgb(171, 153, 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, 153, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 153, 126) }
```

Border

The CSS property to change the border of an element to XYZ 31.9517, 32.9468, 24.4140 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, 153, 126) }
```


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

```
.border{ border-color:rgb(171, 153, 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, 153, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 153, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 153, 126);  
box-shadow:4px 4px 4px 4px rgb(171, 153,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9517, 32.9468, 24.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 153, 126) }
```

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

```
.background{ background-color: rgb(171,  
153, 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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