

Converting Colors

XYZ(31.3260, 32.6339, 24.4549)

Have a look what the booklet for
XYZ(31.3260, 32.6339, 24.4549)
contains.

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Color

**XYZ(31.3056, 32.6137,
24.3837)**

Conversions

Conversions Part 1

Format	Color
Hex	A8997E
RGB	168, 153, 126
RGB Percent	66%, 60%, 49%
CMY	0.3412, 0.4000, 0.5059
CMYK	0.00, 0.09, 0.25, 0.34
HSL	39°, 19%, 58%
HSV	39°, 25%, 66%
XYZ	31.3056, 32.6137, 24.3837
YIQ	154.4070, 17.6070, -5.2170

Conversions

Conversions Part 2

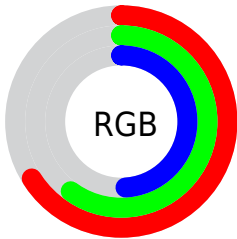
Format	Color
RYB	149, 168, 126
Decimal	11049342
CIELab	63.85, 1.13, 16.21
CIElCh	64, 16.253, 86.001
Yxy	32.6137, 0.3545, 0.3693
Android (android.graphics.Color)	4289239422 (0xFFA8997E)
YUV	154.4070, -14.0047, 11.9211
Hunter-Lab	57.1084, -2.0898, 14.6607

Details

The XYZ color **31.3056, 32.6137, 24.3837** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.1967, 26.3118, 40.7966**, and the grayscale version is **30.9491, 32.5608, 35.4587**.

A 20% lighter version of the original color is **61.1900, 63.7276, 51.7234**, and **13.1612, 13.6834, 8.9687** is the 20% darker color. If you saturate the color by 10%, you get **29.3543, 30.3026, 18.8267**, and if you desaturate by 10%, it is **33.4900, 35.0993, 30.9174**.

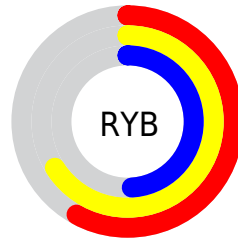
Distribution



Red (66%)

Green (60%)

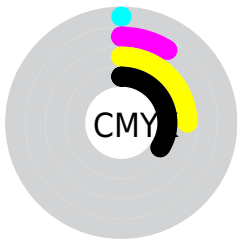
Blue (49%)



Red (58%)

Yellow (66%)

Blue (49%)

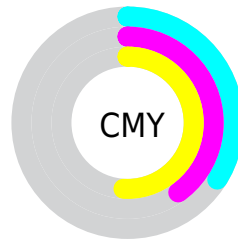


Cyan (0%)

Magenta (9%)

Yellow (25%)

Black (34%)



Cyan (34%)

Magenta (40%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3056, 32.6137, 24.3837 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 31.3056, 32.6137, 24.3837 by changing the saturation by 10% instead.

■ 31.3056, 32.6137,
24.3837

■ 31.3056, 32.6137,
24.3837

299.7456,
313.9054, 288.1034

■ 20.9846, 21.8307,
15.4037

■ 61.0935, 63.7719,
51.6073

■ 13.2252, 13.7325,
8.9534

■ 81.2911, 84.9160,
70.6879

■ 7.6618, 7.9349,
4.6144

■ 105.5116,
110.2824, 93.9725

■ 3.9293, 4.0533,
1.9681

134.1204,
140.2558, 121.8795

■ 1.6622, 1.7034,
0.5356

167.4829,
175.2203, 154.8276

■ 0.4324, 0.4259,
0.0000

205.9643,

■ 0.0000, 0.0000,

215.5605, 193.2353

0.0000

249.9301,
261.6608, 237.5210

■ 31.3056, 32.6137,
24.3837

■ 31.3056, 32.6137,
24.3837

■ 29.3543, 30.3026,
18.8267

■ 33.4900, 35.0993,
30.9174

■ 27.6239, 28.1566,
14.1962

■ 35.9142, 37.7598,
38.4706

■ 26.1044, 26.1716,
10.4407

■ 38.5877, 40.6012,
47.0858

■ 24.7844, 24.3418,
7.5028

■ 41.5185, 43.6278,
56.8026

■ 23.6509, 22.6609,
5.3180

■ 44.7144, 46.8438,
67.6587

■ 22.6890, 21.1216,
3.8122

■ 48.1829, 50.2532,
79.6897

■ 21.8806, 19.7154,
2.8935

■ 51.9309, 53.8598,
92.9299

■ 21.5127, 19.0532,
2.5438

■ 55.0834, 57.3146,
102.7674

■ 56.5091, 60.1661,
103.2426

Harmonies

Analogous

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



33.5195, 32.6137, 26.0708



31.3056, 32.6137, 24.3837



29.1127, 32.6137, 25.3635

Triad

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



31.3056, 32.6137, 24.3837



27.2164, 32.6137, 41.3149



34.7837, 32.6137, 43.0182

Complementary

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



31.3056, 32.6137, 24.3837



25.1967, 26.3118, 40.7966

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.



32.9637, 32.6137, 48.0571



31.3056, 32.6137, 24.3837



28.6069, 32.6137, 46.9919

Square

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



31.3056, 32.6137, 24.3837



26.8205, 32.6137, 34.6409



30.6931, 32.6137, 49.5932



35.5889, 32.6137, 36.3951

Rectangle

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



31.3056, 32.6137, 24.3837



27.9453, 32.6137, 27.4709



30.6931, 32.6137, 49.5932



34.2660, 32.6137, 44.9836

Sweetspot

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



31.3065, 32.6152, 24.3844



64.1975, 67.4653, 66.7332



28.4471, 25.1819, 28.7172



13.9375, 14.6449, 14.3728



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.3065, 32.6152, 24.3844



54.7927, 56.8174, 38.4373



32.7504, 37.2352, 25.2000



7.9182, 8.3164, 7.9772



16.2952, 14.4876, 1.9375



0.4421, 0.4438, 0.0624

Inverse Universe

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



25.1967, 26.3118, 40.7966



41.7813, 43.3968, 73.3994



23.9824, 22.6226, 40.1486



7.3428, 7.7226, 9.5219



6.6018, 4.6637, 28.5277



0.2089, 0.2101, 0.7102

Previews

White Background



This preview shows how the XYZ color 31.3056, 32.6137, 24.3837 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 31.3056, 32.6137, 24.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

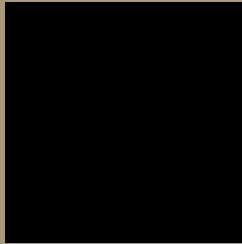
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3056, 32.6137, 24.3837

Background



This preview shows how black text looks on a background with the XYZ color 31.3056, 32.6137, 24.3837.



This preview shows how white text looks on a background with the XYZ color 31.3056, 32.6137,

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

31.3056, 32.6137, 24.3837

Protanopia

30.6962, 32.5360, 24.7409

Deuteranopia

33.1686, 32.6109, 24.6250



Tritanopia

33.9483, 32.4885, 37.7393

Trichromacy



Original Color

31.3056, 32.6137, 24.3837

Protanomaly

30.9034, 32.6428, 24.7506

Deuteranomaly

32.4163, 32.4590, 24.6354

Tritanomaly

33.0462, 32.6087, 32.5694

Monochromacy



Original Color

31.3056, 32.6137, 24.3837

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8877, 32.4957, 31.0299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3056, 32.6137, 24.3837 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(168, 153, 126)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 153, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 153, 126) }
```

Border

The CSS property to change the border of an element to XYZ 31.3056, 32.6137, 24.3837 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(168, 153, 126) }
```


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

```
.border{ border-color:rgb(168, 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(168, 153, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 153, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 153, 126);  
box-shadow:4px 4px 4px 4px rgb(168, 153,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3056, 32.6137, 24.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 153, 126) }
```

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

```
.background{ background-color: rgb(168,  
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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