

Converting Colors

XYZ(32.3489, 37.3732, 33.7407)

Have a look what the booklet for
XYZ(32.3489, 37.3732, 33.7407)
contains.

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Color

**XYZ(32.3772, 37.4034,
33.9469)**

Conversions

Conversions Part 1

Format	Color
Hex	96AA95
RGB	150, 170, 149
RGB Percent	59%, 67%, 58%
CMY	0.4118, 0.3333, 0.4157
CMYK	0.12, 0.00, 0.12, 0.33
HSL	117°, 11%, 63%
HSV	117°, 12%, 67%
XYZ	32.3772, 37.4034, 33.9469
YIQ	161.6260, -5.1790, -10.7710

Conversions

Conversions Part 2

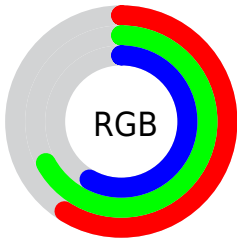
Format	Color
RYB	149, 170, 169
Decimal	9874069
CIELab	67.58, -11.06, 8.49
CIELCh	68, 13.937, 142.494
Yxy	37.4034, 0.3121, 0.3606
Android (android.graphics.Color)	4288064149 (0xFF96AA95)
YUV	161.6260, -6.2246, -10.1960
Hunter-Lab	61.1583, -12.5292, 9.9010

Details

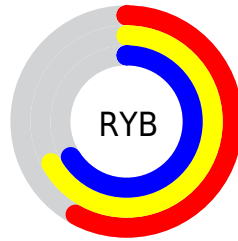
The XYZ color **32.3772, 37.4034, 33.9469** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3669, 32.8333, 42.5583**, and the grayscale version is **34.1985, 35.9795, 39.1817**.

A 20% lighter version of the original color is **62.6065, 70.9996, 66.9045**, and **13.8286, 16.4914, 14.0096** is the 20% darker color. If you saturate the color by 10%, you get **28.3416, 35.4696, 27.1827**, and if you desaturate by 10%, it is **37.0248, 39.6319, 41.7756**.

Distribution



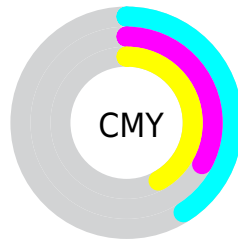
- Red (59%)
- Green (67%)
- Blue (58%)



- Red (58%)
- Yellow (67%)
- Blue (66%)



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



- Cyan (41%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3772, 37.4034, 33.9469 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 32.3772, 37.4034, 33.9469 by changing the saturation by 10% instead.

■ 32.3772, 37.4034,
33.9469

■ 32.3772, 37.4034,
33.9469

304.5488,
335.0537, 334.6571

■ 21.8067, 25.5200,
22.5758

■ 62.7632, 71.1928,
66.9840

■ 13.8308, 16.4649,
14.0782

■ 83.3094, 93.8675,
89.4871

■ 8.0840, 9.8537,
8.0357

107.9115,
120.9082, 116.5380

■ 4.2010, 5.3021,
4.0297

136.9349,
152.6991, 148.5551

■ 1.8165, 2.4256,
1.6417

170.7450,
189.6248, 185.9570

■ 0.5276, 0.8390,
0.3203

209.7071,

■ 0.0000, 0.0000,

232.0695, 229.1623

0.0000

254.1866,
280.4177, 278.5895

■ 32.3772, 37.4034,
33.9469

■ 32.3772, 37.4034,
33.9469

■ 28.3416, 35.4696,
27.1827

■ 37.0248, 39.6319,
41.7756

■ 24.8895, 33.8136,
21.4347

■ 42.3051, 42.1618,
50.7092

■ 21.9948, 32.4242,
16.6546

■ 48.2416, 45.0052,
60.7894

■ 19.6284, 31.2873,
12.7891

■ 54.8560, 48.1725,
72.0547

■ 17.7582, 30.3879,
9.7799

■ 62.1685, 51.6735,
84.5418

■ 16.3490, 29.7090,
7.5620

■ 70.1990, 55.5174,
98.2859

■ 15.3606, 29.2317,
6.0609

■ 73.6655, 57.2309,
101.7718

■ 14.7462, 28.9337,
5.1883

■ 14.4767, 28.8031,
4.7966

Harmonies

Analogous

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



33.9956, 37.4034, 30.7551



32.3772, 37.4034, 33.9469



31.6151, 37.4034, 39.2017

Triad

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



32.3772, 37.4034, 33.9469



35.0145, 37.4034, 53.6002



39.5007, 37.4034, 36.3705

Complementary

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



32.3772, 37.4034, 33.9469



34.3669, 32.8333, 42.5583

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.



39.8003, 37.4034, 42.2892



32.3772, 37.4034, 33.9469



37.1528, 37.4034, 52.6479

Square

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



32.3772, 37.4034, 33.9469



33.0974, 37.4034, 50.8372



38.9253, 37.4034, 48.3523



38.1225, 37.4034, 32.0530

Rectangle

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



32.3772, 37.4034, 33.9469



31.6728, 37.4034, 43.3360



38.9253, 37.4034, 48.3523



39.7331, 37.4034, 38.2228

Sweetspot

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



32.3782, 37.4050, 33.9477



65.6449, 71.1716, 73.2124



36.1827, 39.0752, 34.0696



14.4948, 15.8024, 16.0833



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.



32.3782, 37.4050, 33.9477



56.4946, 66.7858, 57.8145



32.9807, 37.6248, 38.0764



7.4686, 8.4241, 8.0217



10.6623, 21.1939, 3.5289



0.2694, 0.5208, 0.0863

Inverse Universe

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



34.3669, 32.8333, 42.5583



60.8664, 56.7347, 76.7448



33.7197, 32.5993, 38.0269



7.8061, 7.6482, 9.4832



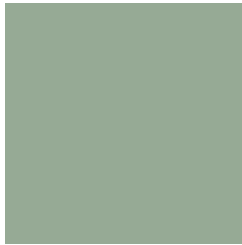
16.2984, 7.7855, 28.6192



0.4069, 0.1947, 0.6968

Previews

White Background



This preview shows how the XYZ color 32.3772, 37.4034, 33.9469 looks on a white background.

Color Contrast Check

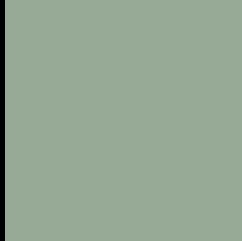
Large Text (above 18pt) WCAG AA × Fail

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 32.3772, 37.4034, 33.9469 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

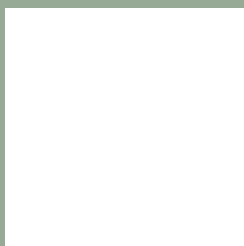
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3772, 37.4034, 33.9469

Background



This preview shows how black text looks on a background with the XYZ color 32.3772, 37.4034, 33.9469.



This preview shows how white text looks on a background with the XYZ color 32.3772, 37.4034,

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

32.3772, 37.4034, 33.9469

Protanopia

35.4770, 37.3969, 32.5426

Deuteranopia

37.9916, 37.3449, 34.4841



Tritanopia

35.2905, 37.4957, 48.0252

Trichromacy



Original Color

32.3772, 37.4034, 33.9469

Protanomaly

34.2125, 37.2715, 32.9947

Deuteranomaly

35.6155, 37.1671, 34.1510

Tritanomaly

34.0235, 37.2369, 42.4400

Monochromacy



Original Color

32.3772, 37.4034, 33.9469

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6415, 36.6137, 37.1923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3772, 37.4034, 33.9469 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(150, 170, 149)` looks like.

```
.text, #text, p{  
    color:rgb(150, 170, 149)  
}
```

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(150, 170, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 170, 149) }
```

Border

The CSS property to change the border of an element to XYZ 32.3772, 37.4034, 33.9469 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(150, 170, 149) }
```


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

```
.border{ border-color:rgb(150, 170, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 170, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 170, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 170, 149);  
box-shadow:4px 4px 4px 4px rgb(150, 170,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3772, 37.4034, 33.9469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 170, 149) }
```

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

```
.background{ background-color: rgb(150,  
170, 149) }
```

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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