

Converting Colors

XYZ(33.4382, 36.6922, 40.5448)

Have a look what the booklet for
XYZ(33.4382, 36.6922, 40.5448)
contains.

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Color

**XYZ(33.4739, 36.7251,
40.4463)**

Conversions

Conversions Part 1

Format	Color
Hex	99A6A4
RGB	153, 166, 164
RGB Percent	60%, 65%, 64%
CMY	0.4000, 0.3490, 0.3569
CMYK	0.08, 0.00, 0.01, 0.35
HSL	171°, 7%, 63%
HSV	171°, 8%, 65%
XYZ	33.4739, 36.7251, 40.4463
YIQ	161.8850, -7.1060, -3.3780

Conversions

Conversions Part 2

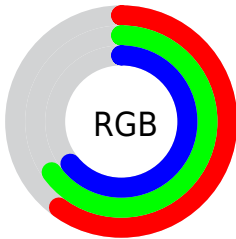
Format	Color
RYB	153, 160, 166
Decimal	10069668
CIELab	67.07, -4.97, -0.55
CIElCh	67, 4.996, 186.273
Yxy	36.7251, 0.3025, 0.3319
Android (android.graphics.Color)	4288259748 (0xFF99A6A4)
YUV	161.8850, 1.0427, -7.7921
Hunter-Lab	60.6012, -7.4553, 2.8497

Details

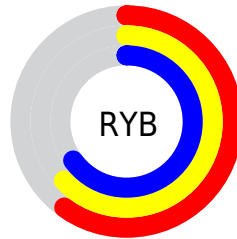
The XYZ color **33.4739, 36.7251, 40.4463** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0348, 33.2569, 35.6902**, and the grayscale version is **34.2873, 36.0730, 39.2834**.

A 20% lighter version of the original color is **64.3748, 70.0928, 77.1542**, and **14.4214, 16.0293, 17.6631** is the 20% darker color. If you saturate the color by 10%, you get **30.3277, 35.1306, 39.1064**, and if you desaturate by 10%, it is **37.0627, 38.5493, 41.8327**.

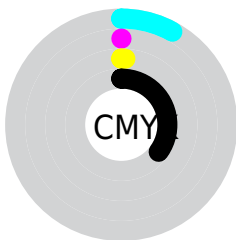
Distribution



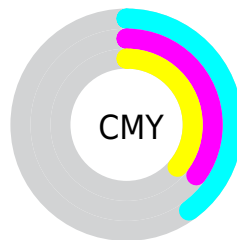
- Red (60%)
- Green (65%)
- Blue (64%)



- Red (60%)
- Yellow (63%)
- Blue (65%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (35%)



- Cyan (40%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4739, 36.7251, 40.4463 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 33.4739, 36.7251, 40.4463 by changing the saturation by 10% instead.

■ 33.4739, 36.7251,
40.4463

■ 33.4739, 36.7251,
40.4463

309.4071,
332.1188, 363.6090

■ 22.6507, 24.9947,
27.5703

■ 64.4644, 70.1498,
77.0872

■ 14.4551, 16.0731,
17.7658

■ 85.3625, 92.6129,
101.6890

■ 8.5217, 9.5759,
10.6142

110.3495,
119.4223, 131.0366

■ 4.4851, 5.1187,
5.6972

139.7909,
150.9625, 165.5485

■ 1.9801, 2.3171,
2.5960

174.0520,
187.6179, 205.6431

■ 0.6227, 0.7827,
0.8904

213.4982,

■ 0.0000, 0.0000,

229.7728, 251.7390

0.0000

258.4948,
277.8116, 304.2548

■ 33.4739, 36.7251,
40.4463

■ 33.4739, 36.7251,
40.4463

■ 30.3277, 35.1306,
39.1064

■ 37.0627, 38.5493,
41.8327

■ 27.6032, 33.7520,
37.8095

■ 41.1080, 40.6072,
43.2641

■ 25.2822, 32.5808,
36.5555

■ 45.6266, 42.9086,
44.7422

■ 23.3440, 31.6064,
35.3432

■ 50.6340, 45.4614,
46.2678

■ 21.7662, 30.8173,
34.1714

■ 56.1445, 48.2731,
47.8417

■ 20.5238, 30.2007,
33.0389

■ 62.1721, 51.3507,
49.4648

■ 19.5889, 29.7420,
31.9442

■ 63.3101, 51.9071,
50.8840

■ 18.9288, 29.4244,
30.8855

■ 63.5766, 52.0138,
52.2877

■ 18.4888, 29.2198,
29.8603

■ 63.8481, 52.1223,
53.7170

Harmonies

Analogous

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



33.5856, 36.7251, 38.3273



33.4739, 36.7251, 40.4463



33.7414, 36.7251, 42.5143

Triad

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



33.4739, 36.7251, 40.4463



35.7776, 36.7251, 43.4565



35.4973, 36.7251, 36.2779

Complementary

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



33.4739, 36.7251, 40.4463



33.0348, 33.2569, 35.6902

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.



36.0973, 36.7251, 37.5626



33.4739, 36.7251, 40.4463



36.2608, 36.7251, 41.6948

Square

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



33.4739, 36.7251, 40.4463



35.0660, 36.7251, 44.2924



36.3786, 36.7251, 39.5320



34.7467, 36.7251, 35.9708

Rectangle

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



33.4739, 36.7251, 40.4463



34.1012, 36.7251, 43.5693



36.3786, 36.7251, 39.5320



35.7236, 36.7251, 36.6074

Sweetspot

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



33.4749, 36.7267, 40.4471



64.4249, 68.5179, 74.8512



32.9367, 36.5590, 35.4581



14.4339, 15.3415, 16.7567



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.



33.4749, 36.7267, 40.4471



59.9431, 66.2420, 73.0745



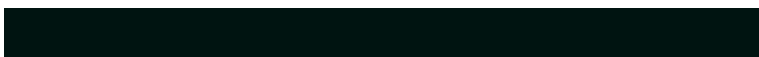
32.8826, 35.2502, 41.1491



7.6972, 8.5119, 9.3913



14.2835, 22.6322, 23.0575



0.3605, 0.5558, 0.6292

Inverse Universe

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



33.0348, 33.2569, 35.6902



59.0166, 58.9379, 63.0608



33.5904, 34.6349, 35.0523



7.5765, 7.5605, 8.0869



12.3471, 6.3476, 1.3736



0.3139, 0.1598, 0.1045

Previews

White Background



This preview shows how the XYZ color 33.4739, 36.7251, 40.4463 looks on a white background.

Color Contrast Check

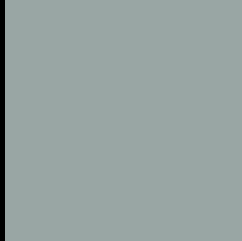
Large Text (above 18pt) WCAG AA × Fail

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 33.4739, 36.7251, 40.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

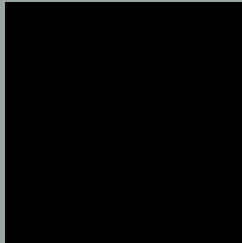
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

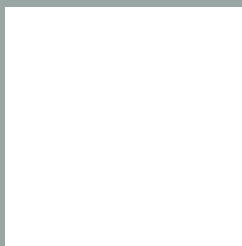
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4739, 36.7251, 40.4463

Background



This preview shows how black text looks on a background with the XYZ color 33.4739, 36.7251, 40.4463.



This preview shows how white text looks on a background with the XYZ color 33.4739, 36.7251,

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

33.4739, 36.7251, 40.4463

Protanopia

35.1678, 36.5563, 39.3849

Deuteranopia

37.4699, 36.6719, 41.1799



Tritanopia

34.7288, 36.6938, 46.8472

Trichromacy



Original Color

33.4739, 36.7251, 40.4463

Protanomaly

34.4060, 36.4158, 39.8659

Deuteranomaly

35.8986, 36.6414, 40.7777

Tritanomaly

34.2280, 36.7588, 44.3209

Monochromacy



Original Color

33.4739, 36.7251, 40.4463

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0061, 36.2097, 39.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4739, 36.7251, 40.4463 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(153, 166, 164)` looks like.

```
.text, #text, p{  
    color:rgb(153, 166, 164)  
}
```

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(153, 166, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 166, 164) }
```

Border

The CSS property to change the border of an element to XYZ 33.4739, 36.7251, 40.4463 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(153, 166, 164) }
```


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

```
.border{ border-color:rgb(153, 166, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 166, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 166, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 166, 164);  
box-shadow:4px 4px 4px 4px rgb(153, 166,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4739, 36.7251, 40.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 166, 164) }
```

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

```
.background{ background-color: rgb(153,  
166, 164) }
```

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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