

Converting Colors

XYZ(33.6760, 34.9311, 32.3336)

Have a look what the booklet for
XYZ(33.6760, 34.9311, 32.3336)
contains.

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Color

**XYZ(33.5636, 34.8539,
32.1526)**

Conversions

Conversions Part 1

Format	Color
Hex	A89E92
RGB	168, 158, 146
RGB Percent	66%, 62%, 57%
CMY	0.3412, 0.3804, 0.4274
CMYK	0.00, 0.06, 0.13, 0.34
HSL	33°, 11%, 62%
HSV	33°, 13%, 66%
XYZ	33.5636, 34.8539, 32.1526
YIQ	159.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

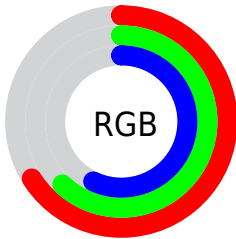
Format	Color
RYB	164, 168, 146
Decimal	11050642
CIELab	65.63, 1.54, 7.57
CIElCh	66, 7.721, 78.518
Yxy	34.8539, 0.3337, 0.3466
Android (android.graphics.Color)	4289240722 (0xFFA89E92)
YUV	159.6220, -6.7156, 7.3475
Hunter-Lab	59.0372, -1.8349, 9.0358

Details

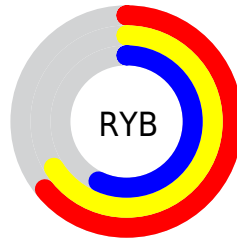
The XYZ color **33.5636, 34.8539, 32.1526** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8102, 32.7143, 41.7366**, and the grayscale version is **33.2672, 34.9997, 38.1147**.

A 20% lighter version of the original color is **64.6510, 67.4466, 64.2546**, and **14.5715, 15.0729, 13.2077** is the 20% darker color. If you saturate the color by 10%, you get **31.0900, 31.8464, 25.3474**, and if you desaturate by 10%, it is **36.3121, 38.1031, 39.9978**.

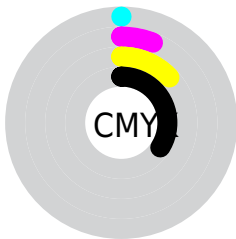
Distribution



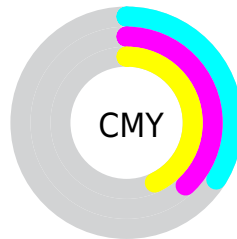
- Red (66%)
- Green (62%)
- Blue (57%)



- Red (64%)
- Yellow (66%)
- Blue (57%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (34%)



- Cyan (34%)
- Magenta (38%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5636, 34.8539, 32.1526 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 33.5636, 34.8539, 32.1526 by changing the saturation by 10% instead.

■ 33.5636, 34.8539,
32.1526

■ 33.5636, 34.8539,
32.1526

309.8020,
323.9230, 326.3279

■ 22.7198, 23.5504,
21.2123

■ 64.6033, 67.2594,
64.1509

■ 14.5063, 15.0004,
13.0865

■ 85.5299, 89.1301,
86.0460

■ 8.5577, 8.8197,
7.3567

110.5482,
115.2920, 112.4298

■ 4.5086, 4.6237,
3.6044

140.0235,
146.1295, 143.7208

■ 1.9937, 2.0282,
1.4109

174.3212,
182.0269, 180.3376

■ 0.6304, 0.6238,
0.1502

213.8066,

■ 0.0000, 0.0000,

223.3687, 222.6987

0.0000

258.8451,
270.5393, 271.2226

■ 33.5636, 34.8539,
32.1526

■ 33.5636, 34.8539,
32.1526

■ 31.0900, 31.8464,
25.3474

■ 36.3121, 38.1031,
39.9978

■ 28.8786, 29.0697,
19.5355

■ 39.3419, 41.5954,
48.9225

■ 26.9199, 26.5189,
14.6701

■ 42.6628, 45.3380,
58.9669

■ 25.2028, 24.1868,
10.6994

■ 46.2830, 49.3364,
70.1684

■ 23.7148, 22.0662,
7.5669

■ 50.2106, 53.5960,
82.5626

■ 22.4426, 20.1489,
5.2092

■ 54.4533, 58.1218,
96.1838

■ 21.3707, 18.4261,
3.5542

■ 57.6023, 62.3525,
103.6070

■ 20.4812, 16.8878,
2.5154

■ 59.5494, 66.2465,
104.2560

■ 19.9466, 15.9210,
2.0218

■ 61.5877, 70.3232,
104.9355

Harmonies

Analogous

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



34.5932, 34.8539, 33.4607



33.5636, 34.8539, 32.1526



32.4398, 34.8539, 32.3305

Triad

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



33.5636, 34.8539, 32.1526



31.1025, 34.8539, 39.9683



34.7883, 34.8539, 42.2391

Complementary

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



33.5636, 34.8539, 32.1526



30.8102, 32.7143, 41.7366

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.



33.8250, 34.8539, 44.1855



33.5636, 34.8539, 32.1526



31.7040, 34.8539, 42.8238

Square

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



33.5636, 34.8539, 32.1526



31.0361, 34.8539, 36.7202



32.6954, 34.8539, 44.4054



35.3110, 34.8539, 39.2069

Rectangle

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



33.5636, 34.8539, 32.1526



31.7880, 34.8539, 33.2701



32.6954, 34.8539, 44.4054



34.5043, 34.8539, 43.0493

Sweetspot

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



33.5646, 34.8554, 32.1533



65.3830, 68.5472, 71.1031



32.4511, 31.2924, 35.9011



14.1684, 14.8440, 15.2598



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.



33.5646, 34.8554, 32.1533



59.4180, 61.4567, 54.1947



35.1840, 38.3254, 32.7378



7.8575, 8.1951, 7.9569



15.1146, 12.1264, 1.5440



0.4179, 0.3953, 0.0543

Inverse Universe

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



30.8102, 32.7143, 41.7366



53.3340, 56.7274, 75.3636



29.3321, 29.5638, 41.2065



7.4020, 7.8410, 9.5417



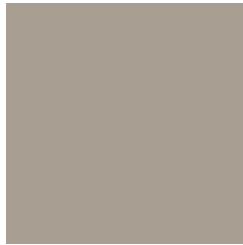
7.3567, 6.1735, 28.7794



0.2305, 0.2532, 0.7174

Previews

White Background



This preview shows how the XYZ color 33.5636, 34.8539, 32.1526 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 33.5636, 34.8539, 32.1526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

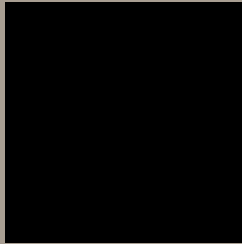
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5636, 34.8539, 32.1526

Background



This preview shows how black text looks on a background with the XYZ color 33.5636, 34.8539, 32.1526.

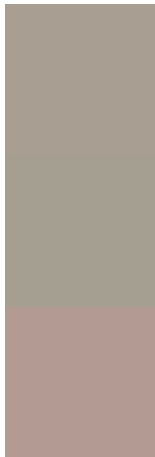


This preview shows how white text looks on a background with the XYZ color 33.5636, 34.8539,

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

33.5636, 34.8539, 32.1526

Protanopia

33.1035, 34.8709, 32.1801

Deuteranopia

35.4125, 34.8015, 32.4547



Tritanopia

35.4910, 34.8906, 41.4232

Trichromacy



Original Color

33.5636, 34.8539, 32.1526

Protanomaly

33.3123, 34.9786, 32.1899

Deuteranomaly

34.6670, 34.6632, 32.4673

Tritanomaly

34.7240, 34.8262, 37.6929

Monochromacy



Original Color

33.5636, 34.8539, 32.1526

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.4188, 34.9494, 35.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5636, 34.8539, 32.1526 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, 158, 146)` looks like.

```
.text, #text, p{  
    color:rgb(168, 158, 146)  
}
```

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, 158, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 158, 146) }
```

Border

The CSS property to change the border of an element to XYZ 33.5636, 34.8539, 32.1526 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, 158, 146) }
```


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

```
.border{ border-color:rgb(168, 158, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 158, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 158, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 158, 146);  
box-shadow:4px 4px 4px 4px rgb(168, 158,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5636, 34.8539, 32.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 158, 146) }
```

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

```
.background{ background-color: rgb(168,  
158, 146) }
```

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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