

Converting Colors

XYZ(33.3451, 33.3071, 35.7288)

Have a look what the booklet for
XYZ(33.3451, 33.3071, 35.7288)
contains.

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Color

**XYZ(33.4561, 33.4739,
35.7081)**

Conversions

Conversions Part 1

Format	Color
Hex	A8999B
RGB	168, 153, 155
RGB Percent	66%, 60%, 61%
CMY	0.3412, 0.4000, 0.3922
CMYK	0.00, 0.09, 0.08, 0.34
HSL	352°, 8%, 63%
HSV	352°, 9%, 66%
XYZ	33.4561, 33.4739, 35.7081
YIQ	157.7130, 8.2980, 3.8020

Conversions

Conversions Part 2

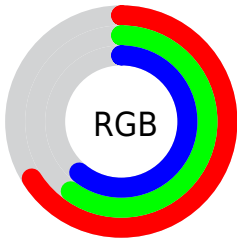
Format	Color
RYB	168, 153, 155
Decimal	11049371
CIELab	64.54, 5.87, 0.95
CIELCh	65, 5.942, 9.155
Yxy	33.4739, 0.3260, 0.3261
Android (android.graphics.Color)	4289239451 (0xFFA8999B)
YUV	157.7130, -1.3375, 9.0217
Hunter-Lab	57.8566, 1.9701, 3.9069

Details

The XYZ color **33.4561, 33.4739, 35.7081** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0238, 37.5316, 41.5294**, and the grayscale version is **32.3735, 34.0594, 37.0907**.

A 20% lighter version of the original color is **64.2529, 64.9171, 69.4654**, and **14.4525, 14.2152, 15.0788** is the 20% darker color. If you saturate the color by 10%, you get **29.7476, 27.8972, 28.7974**, and if you desaturate by 10%, it is **37.7012, 39.8869, 43.5263**.

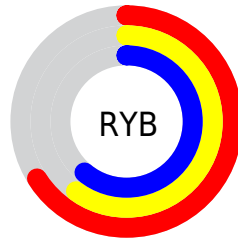
Distribution



Red (66%)

Green (60%)

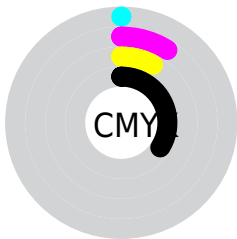
Blue (61%)



Red (66%)

Yellow (60%)

Blue (61%)

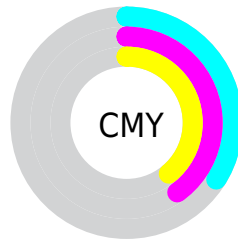


Cyan (0%)

Magenta (9%)

Yellow (8%)

Black (34%)



Cyan (34%)

Magenta (40%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4561, 33.4739, 35.7081 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 33.4561, 33.4739, 35.7081 by changing the saturation by 10% instead.

■ 33.4561, 33.4739,
35.7081

■ 33.4561, 33.4739,
35.7081

309.3287,
317.7798, 342.6816

■ 22.6370, 22.4897,
23.9209

■ 64.4369, 65.1147,
69.7453

■ 14.4449, 14.2172,
15.0633

■ 85.3293, 86.5401,
92.8323

■ 8.5145, 8.2719,
8.7167

110.3101,
112.2147, 120.5231

■ 4.4805, 4.2694,
4.4626

139.7448,
142.5230, 153.2361

■ 1.9774, 1.8254,
1.8824

173.9986,
177.8492, 191.3900

■ 0.6212, 0.5029,
0.4815

213.4370,

■ 0.0000, 0.0000,

218.5778, 235.4031

0.0000

258.4252,
265.0932, 285.6942

■ 33.4561, 33.4739,
35.7081

■ 33.4561, 33.4739,
35.7081

■ 29.7476, 27.8972,
28.7974

■ 37.7012, 39.8869,
43.5263

■ 26.5515, 23.1181,
22.7591

■ 42.5002, 47.1640,
52.2810

■ 23.8460, 19.1014,
17.5591

■ 47.8731, 55.3373,
62.0026

■ 21.6067, 15.8076,
13.1602

■ 53.8380, 64.4358,
72.7195

■ 19.8070, 13.1937,
9.5223

■ 60.4123, 74.4873,
84.4589

■ 18.4176, 11.2119,
6.6020

■ 67.6127, 85.5183,
97.2470

■ 17.4056, 9.8085,
4.3511

■ 69.9586, 87.0649,
107.7257

■ 16.7328, 8.9205,
2.7159

■ 16.3324, 8.4297,
1.6268

Harmonies

Analogous

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



33.3671, 33.4739, 38.1377



33.4561, 33.4739, 35.7081



33.0996, 33.4739, 33.5724

Triad

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



33.4561, 33.4739, 35.7081



30.7956, 33.4739, 32.9386



31.2382, 33.4739, 40.9967

Complementary

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



33.4561, 33.4739, 35.7081



34.0238, 37.5316, 41.5294

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.



30.5659, 33.4739, 39.4819



33.4561, 33.4739, 35.7081



30.3136, 33.4739, 34.8078

Square

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



33.4561, 33.4739, 35.7081



31.5567, 33.4739, 32.0209



30.2303, 33.4739, 37.1968



32.0765, 33.4739, 41.2641

Rectangle

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



33.4561, 33.4739, 35.7081



32.6609, 33.4739, 32.5765



30.2303, 33.4739, 37.1968



30.9857, 33.4739, 40.6134

Sweetspot

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



33.4570, 33.4754, 35.7088



65.1141, 67.3894, 72.9244



34.1861, 33.7182, 41.7527



14.0591, 14.4871, 15.6495



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.



33.4570, 33.4754, 35.7088



59.0965, 58.3114, 61.8021



34.2116, 35.2507, 35.1397



7.5703, 7.5580, 8.0543



12.3182, 6.3360, 1.2213



0.3116, 0.1589, 0.0923

Inverse Universe

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



33.4570, 33.4754, 35.7088



59.0965, 58.3114, 61.8021



33.2146, 35.6178, 42.1705



7.5703, 7.5580, 8.0543



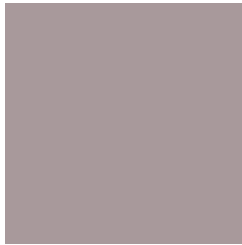
12.3182, 6.3360, 1.2213



0.3116, 0.1589, 0.0923

Previews

White Background



This preview shows how the XYZ color 33.4561, 33.4739, 35.7081 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 33.4561, 33.4739, 35.7081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

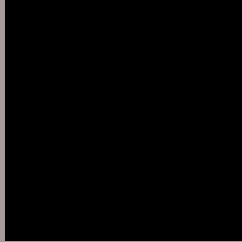
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4561, 33.4739, 35.7081

Background



This preview shows how black text looks on a background with the XYZ color 33.4561, 33.4739, 35.7081.



This preview shows how white text looks on a background with the XYZ color 33.4561, 33.4739,

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

33.4561, 33.4739, 35.7081

Protanopia

32.2723, 33.5822, 36.6794

Deuteranopia

34.1579, 33.5937, 35.6943



Tritanopia

34.2913, 33.5718, 39.7946

Trichromacy



Original Color

33.4561, 33.4739, 35.7081

Protanomaly

32.6224, 33.5244, 36.2040

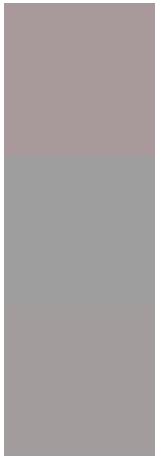
Deuteranomaly

33.9392, 33.4810, 35.6840

Tritanomaly

34.0234, 33.4647, 38.3843

Monochromacy



Original Color

33.4561, 33.4739, 35.7081

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8746, 33.8926, 36.7075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4561, 33.4739, 35.7081 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(168, 153, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 153, 155) }
```

Border

The CSS property to change the border of an element to XYZ 33.4561, 33.4739, 35.7081 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, 155) }
```


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

```
.border{ border-color:rgb(168, 153, 155) }
```

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, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 153, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 153, 155);  
box-shadow:4px 4px 4px 4px rgb(168, 153,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4561, 33.4739, 35.7081 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, 155) }
```

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

```
.background{ background-color: rgb(168,  
153, 155) }
```

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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