

Converting Colors

XYZ(33.7053, 35.5465, 33.4987)

Have a look what the booklet for
XYZ(33.7053, 35.5465, 33.4987)
contains.

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Color

**XYZ(33.8956, 35.7667,
33.5509)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A195
RGB	166, 161, 149
RGB Percent	65%, 63%, 58%
CMY	0.3490, 0.3686, 0.4157
CMYK	0.00, 0.03, 0.10, 0.35
HSL	42°, 9%, 62%
HSV	42°, 10%, 65%
XYZ	33.8956, 35.7667, 33.5509
YIQ	161.1270, 6.8320, -2.6720

Conversions

Conversions Part 2

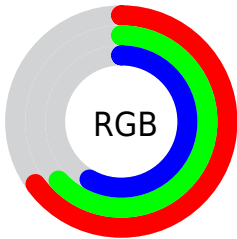
Format	Color
RYB	156, 166, 149
Decimal	10920341
CIELab	66.34, -0.35, 6.88
CIELCh	66, 6.890, 92.886
Yxy	35.7667, 0.3284, 0.3465
Android (android.graphics.Color)	4289110421 (0xFFA6A195)
YUV	161.1270, -5.9786, 4.2736
Hunter-Lab	59.8053, -3.4915, 8.6019

Details

The XYZ color **33.8956, 35.7667, 33.5509** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8329, 32.2533, 40.6772**, and the grayscale version is **33.9608, 35.7295, 38.9094**.

A 20% lighter version of the original color is **65.1542, 68.7957, 66.3448**, and **14.7200, 15.6111, 13.7927** is the 20% darker color. If you saturate the color by 10%, you get **31.8279, 33.6030, 26.7825**, and if you desaturate by 10%, it is **36.1875, 38.0757, 41.3270**.

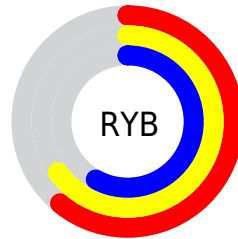
Distribution



Red (65%)

Green (63%)

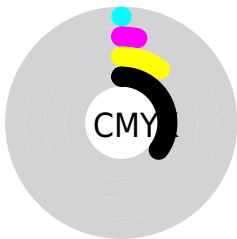
Blue (58%)



Red (61%)

Yellow (65%)

Blue (58%)

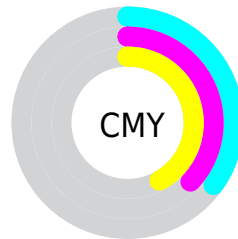


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (35%)



Cyan (35%)

Magenta (37%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8956, 35.7667, 33.5509 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 33.8956, 35.7667, 33.5509 by changing the saturation by 10% instead.

■ 33.8956, 35.7667,
33.5509

■ 33.8956, 35.7667,
33.5509

311.2604,
327.9397, 332.8327

■ 22.9759, 24.2541,
22.2742

■ 65.1167, 68.6718,
66.3606

■ 14.6963, 15.5222,
13.8583

■ 86.1487, 90.8331,
88.7306

■ 8.6915, 9.1867,
7.8846

111.2823,
117.3127, 115.6356

■ 4.5960, 4.8632,
3.9345

140.8828,
148.4951, 147.4940

■ 2.0445, 2.1672,
1.5895

175.3155,
184.7645, 184.7244

■ 0.6588, 0.7020,
0.2833

214.9457,

■ 0.0000, 0.0000,

226.5055, 227.7452

0.0000

260.1389,
274.1025, 276.9752

■ 33.8956, 35.7667,
33.5509

■ 33.8956, 35.7667,
33.5509

■ 31.8279, 33.6030,
26.7825

■ 36.1875, 38.0757,
41.3270

■ 29.9731, 31.5759,
20.9774

■ 38.7085, 40.5290,
50.1478

■ 28.3233, 29.6828,
16.0914

■ 41.4670, 43.1317,
60.0517

■ 26.8690, 27.9194,
12.0759

■ 44.4701, 45.8872,
71.0741

■ 25.5996, 26.2807,
8.8778

■ 47.7245, 48.7989,
83.2489

■ 24.5036, 24.7615,
6.4382

■ 51.2368, 51.8697,
96.6085

■ 23.5678, 23.3559,
4.6902

■ 53.3266, 54.4282,
102.3028

■ 22.7771, 22.0571,
3.5551

■ 54.4390, 56.6529,
102.6736

■ 22.1118, 20.8785,
2.8645

■ 55.5874, 58.9498,
103.0564

Harmonies

Analogous

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



34.9055, 35.7667, 34.1117



33.8956, 35.7667, 33.5509



32.9315, 35.7667, 34.3737

Triad

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



33.8956, 35.7667, 33.5509



32.3595, 35.7667, 42.1044



35.7881, 35.7667, 41.5857

Complementary

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



33.8956, 35.7667, 33.5509



30.8329, 32.2533, 40.6772

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.



35.0815, 35.7667, 43.9021



33.8956, 35.7667, 33.5509



33.1008, 35.7667, 44.2121

Square

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



33.8956, 35.7667, 33.5509



32.0559, 35.7667, 39.2300



34.0949, 35.7667, 44.8858



36.0111, 35.7667, 38.6591

Rectangle

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



33.8956, 35.7667, 33.5509



32.4407, 35.7667, 35.6216



34.0949, 35.7667, 44.8858



35.5986, 35.7667, 42.4665

Sweetspot

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



33.8966, 35.7683, 33.5517



64.4641, 67.8977, 70.8425



32.3148, 31.9388, 35.0776



14.3510, 15.1193, 15.5978



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.



33.8966, 35.7683, 33.5517



60.7426, 64.1161, 58.3145



34.0839, 37.1872, 33.8157



7.9579, 8.3958, 7.9904



17.1883, 16.2738, 2.2352



0.4592, 0.4780, 0.0681

Inverse Universe

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



30.8329, 32.2533, 40.6772



54.1946, 56.6038, 73.5445



30.6547, 30.9626, 40.4375



7.3048, 7.6465, 9.5093



6.2185, 3.8972, 28.4000



0.1949, 0.1821, 0.7055

Previews

White Background



This preview shows how the XYZ color 33.8956, 35.7667, 33.5509 looks on a white background.

Color Contrast Check

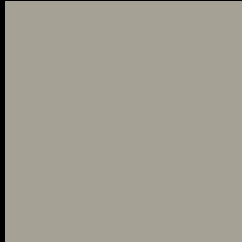
Large Text (above 18pt) WCAG AA × Fail

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 33.8956, 35.7667, 33.5509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

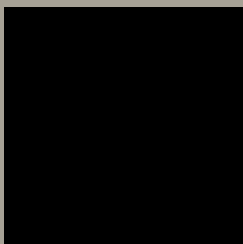
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

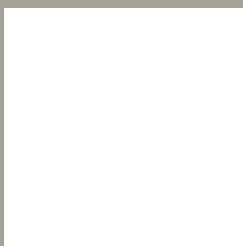
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8956, 35.7667, 33.5509

Background



This preview shows how black text looks on a background with the XYZ color 33.8956, 35.7667, 33.5509.



This preview shows how white text looks on a background with the XYZ color 33.8956, 35.7667,

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

33.8956, 35.7667, 33.5509

Protanopia

34.1060, 35.8752, 33.5608

Deuteranopia

36.4495, 35.8027, 33.8437



Tritanopia

35.8447, 35.7910, 43.0493

Trichromacy



Original Color

33.8956, 35.7667, 33.5509

Protanomaly

34.1060, 35.8752, 33.5608

Deuteranomaly

35.6364, 35.8858, 33.9026

Tritanomaly

35.0682, 35.7297, 39.2307

Monochromacy



Original Color

33.8956, 35.7667, 33.5509

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.9349, 35.7106, 37.0026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8956, 35.7667, 33.5509 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(166, 161, 149)` looks like.

```
.text, #text, p{  
    color:rgb(166, 161, 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(166, 161, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 161, 149) }
```

Border

The CSS property to change the border of an element to XYZ 33.8956, 35.7667, 33.5509 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(166, 161, 149) }
```


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

```
.border{ border-color:rgb(166, 161, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 161, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 161, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 161, 149);  
box-shadow:4px 4px 4px 4px rgb(166, 161,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8956, 35.7667, 33.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 161, 149) }
```

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

```
.background{ background-color: rgb(166,  
161, 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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