

Converting Colors

XYZ(33.9678, 37.5651, 36.1959)

Have a look what the booklet for
XYZ(33.9678, 37.5651, 36.1959)
contains.

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Color

**XYZ(33.9359, 37.6075,
36.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA89A
RGB	158, 168, 154
RGB Percent	62%, 66%, 60%
CMY	0.3804, 0.3412, 0.3961
CMYK	0.06, 0.00, 0.08, 0.34
HSL	103°, 7%, 63%
HSV	103°, 8%, 66%
XYZ	33.9359, 37.6075, 36.0422
YIQ	163.4140, -1.4660, -6.4740

Conversions

Conversions Part 2

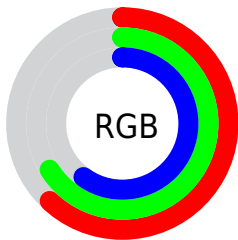
Format	Color
RYB	154, 168, 164
Decimal	10397850
CIELab	67.73, -6.19, 6.01
CIELCh	68, 8.632, 135.852
Yxy	37.6075, 0.3154, 0.3496
Android (android.graphics.Color)	4288587930 (0xFF9EA89A)
YUV	163.4140, -4.6411, -4.7481
Hunter-Lab	61.3250, -8.5406, 8.0813

Details

The XYZ color **33.9359, 37.6075, 36.0422** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.9349, 33.8319, 41.7895**, and the grayscale version is **35.0311, 36.8555, 40.1356**.

A 20% lighter version of the original color is **65.2134, 71.4756, 70.0336**, and **14.7570, 16.5959, 15.2575** is the 20% darker color. If you saturate the color by 10%, you get **30.3870, 35.9296, 29.0761**, and if you desaturate by 10%, it is **37.9133, 39.4859, 44.0523**.

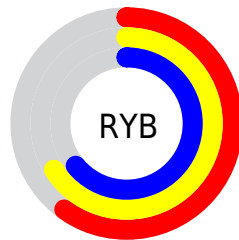
Distribution



Red (62%)

Green (66%)

Blue (60%)



Red (60%)

Yellow (66%)

Blue (64%)

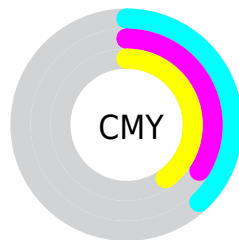


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (34%)



Cyan (38%)

Magenta (34%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9359, 37.6075, 36.0422 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 33.9359, 37.6075, 36.0422 by changing the saturation by 10% instead.

■ 33.9359, 37.6075,
36.0422

■ 33.9359, 37.6075,
36.0422

311.4371,
335.9332, 344.1879

■ 23.0070, 25.6782,
24.1768

■ 65.1789, 71.5061,
70.2670

■ 14.7194, 16.5831,
15.2514

■ 86.2238, 94.2443,
93.4635

■ 8.7077, 9.9377,
8.8475

111.3713,
121.3541, 121.2741

■ 4.6066, 5.3577,
4.5464

140.9870,
153.2201, 154.1174

■ 2.0507, 2.4586,
1.9296

175.4360,
190.2266, 192.4118

■ 0.6622, 0.8558,
0.5115

215.0838,

■ 0.0000, 0.0000,

232.7581, 236.5761

0.0000

260.2957,
281.1988, 287.0286

■ 33.9359, 37.6075,
36.0422

■ 33.9359, 37.6075,
36.0422

■ 30.3870, 35.9296,
29.0761

■ 37.9133, 39.4859,
44.0523

■ 27.2489, 34.4407,
23.1085

■ 42.3302, 41.5662,
53.1444

■ 24.5071, 33.1354,
18.0945


■ 47.2007, 43.8560,
63.3575

■ 22.1451, 32.0062,
13.9846


■ 52.5376, 46.3611,
74.7280


■ 20.1449, 31.0452,
10.7248


■ 58.3531, 49.0871,
87.2907


 18.4873, 30.2436,
8.2554


 64.6589, 52.0392,
101.0789


 17.1510, 29.5920,
6.5090

 68.6763, 54.1066,
101.4317

 16.1118, 29.0795,
5.4069

 72.9324, 56.3007,
101.6309

 15.3333, 28.6906,
4.8100

 73.2934, 56.4868,
101.6478

Harmonies

Analogous

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



35.0488, 37.6075, 34.2809



33.9359, 37.6075, 36.0422



33.3151, 37.6075, 39.1789

Triad

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



33.9359, 37.6075, 36.0422



35.1216, 37.6075, 48.4915



38.2692, 37.6075, 38.9744

Complementary

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



33.9359, 37.6075, 36.0422



33.9349, 33.8319, 41.7895

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.



38.2899, 37.6075, 42.7700



33.9359, 37.6075, 36.0422



36.4499, 37.6075, 48.4283

Square

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



33.9359, 37.6075, 36.0422



33.9880, 37.6075, 46.4480



37.6169, 37.6075, 46.2803



37.5611, 37.6075, 35.9006

Rectangle

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



33.9359, 37.6075, 36.0422



33.2536, 37.6075, 41.7016



37.6169, 37.6075, 46.2803



38.3574, 37.6075, 40.2039

Sweetspot

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



33.9369, 37.6091, 36.0430



65.2917, 69.9963, 72.8347



35.2225, 37.1390, 35.8845



14.1071, 15.1978, 15.6258



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.



33.9369, 37.6091, 36.0430



60.3319, 67.6536, 62.9245



33.3990, 37.3045, 37.2498



7.6305, 8.5076, 8.0292



11.5390, 21.6458, 3.5699



0.3302, 0.5521, 0.0892

Inverse Universe

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



33.9349, 33.8319, 41.7895



60.3272, 59.3826, 75.5075



34.5152, 34.1609, 40.4691



7.6300, 7.5574, 9.4749



11.2406, 5.1782, 28.3825



0.3200, 0.1500, 0.6927

Previews

White Background



This preview shows how the XYZ color 33.9359, 37.6075, 36.0422 looks on a white background.

Color Contrast Check

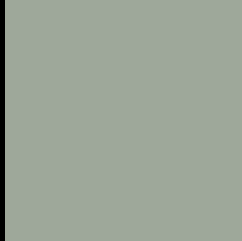
Large Text (above 18pt) WCAG AA × Fail

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 33.9359, 37.6075, 36.0422 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

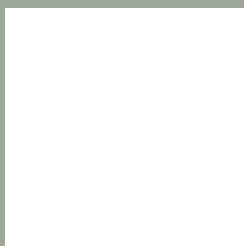
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9359, 37.6075, 36.0422

Background



This preview shows how black text looks on a background with the XYZ color 33.9359, 37.6075, 36.0422.



This preview shows how white text looks on a background with the XYZ color 33.9359, 37.6075,

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

33.9359, 37.6075, 36.0422

Protanopia

35.7375, 37.4758, 35.0558

Deuteranopia

38.1661, 37.3869, 36.6573



Tritanopia

36.3913, 37.8060, 47.4987

Trichromacy



Original Color

33.9359, 37.6075, 36.0422

Protanomaly

34.9308, 37.3172, 35.4989

Deuteranomaly

36.5159, 37.3212, 36.2895

Tritanomaly

35.4956, 37.7141, 42.9448

Monochromacy



Original Color

33.9359, 37.6075, 36.0422

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4982, 37.0254, 38.5861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9359, 37.6075, 36.0422 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(158, 168, 154)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 154)  
}
```

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(158, 168, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.9359, 37.6075, 36.0422 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(158, 168, 154) }
```


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

```
.border{ border-color:rgb(158, 168, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 168, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 154);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9359, 37.6075, 36.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 154) }
```

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

```
.background{ background-color: rgb(158,  
168, 154) }
```

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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