

Converting Colors

XYZ(33.6339, 38.2456, 36.0919)

Have a look what the booklet for
XYZ(33.6339, 38.2456, 36.0919)
contains.

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Color

**XYZ(33.7221, 38.3289,
36.1927)**

Conversions

Conversions Part 1

Format	Color
Hex	9AAB9A
RGB	154, 171, 154
RGB Percent	60%, 67%, 60%
CMY	0.3961, 0.3294, 0.3961
CMYK	0.10, 0.00, 0.10, 0.33
HSL	120°, 9%, 64%
HSV	120°, 10%, 67%
XYZ	33.7221, 38.3289, 36.1927
YIQ	163.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

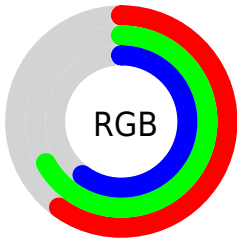
Format	Color
RYB	154, 171, 171
Decimal	10136474
CIELab	68.26, -9.23, 6.74
CIElCh	68, 11.430, 143.883
Yxy	38.3289, 0.3115, 0.3541
Android (android.graphics.Color)	4288326554 (0xFF9AAB9A)
YUV	163.9790, -4.9196, -8.7516
Hunter-Lab	61.9103, -11.1155, 8.6764

Details

The XYZ color **33.7221, 38.3289, 36.1927** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7022, 34.7104, 43.3480**, and the grayscale version is **35.3017, 37.1402, 40.4457**.

A 20% lighter version of the original color is **64.5939, 72.3567, 70.2363**, and **14.6385, 17.0565, 15.3527** is the 20% darker color. If you saturate the color by 10%, you get **29.3722, 36.2406, 29.0767**, and if you desaturate by 10%, it is **38.7407, 40.7407, 44.4008**.

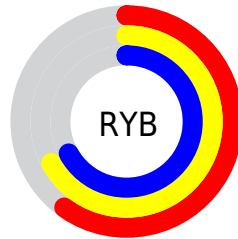
Distribution



Red (60%)

Green (67%)

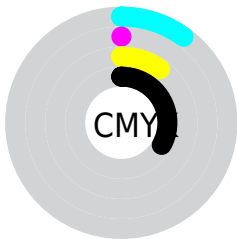
Blue (60%)



Red (60%)

Yellow (67%)

Blue (67%)

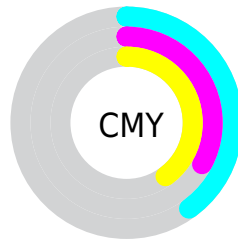


Cyan (10%)

Magenta (0%)

Yellow (10%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7221, 38.3289, 36.1927 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 33.7221, 38.3289, 36.1927 by changing the saturation by 10% instead.

■ 33.7221, 38.3289,
36.1927

■ 33.7221, 38.3289,
36.1927

310.4989,
339.0288, 344.8649

■ 22.8421, 26.2381,
24.2922

■ 64.8484, 72.6120,
70.5018

■ 14.5970, 17.0018,
15.3363

■ 85.8255, 95.5730,
93.7474

■ 8.6215, 10.2358,
8.9065

110.8989,
122.9262, 121.6119

■ 4.5503, 5.5556,
4.5843

140.4340,
155.0560, 154.5136

■ 2.0179, 2.5768,
1.9510

174.7962,
192.3467, 192.8713

■ 0.6440, 0.9150,
0.5249

214.3508,

■ 0.0000, 0.0000,

235.1829, 237.1033

0.0000

259.4633,
283.9487, 287.6284

■ 33.7221, 38.3289,
36.1927

■ 33.7221, 38.3289,
36.1927

■ 29.3722, 36.2406,
29.0767

■ 38.7407, 40.7407,
44.4008

■ 25.6598, 34.4573,
23.0044

■ 44.4513, 43.4838,
53.7416

■ 22.5560, 32.9664,
17.9275

■ 50.8799, 46.5718,
64.2568

■ 20.0283, 31.7522,
13.7930

■ 58.0501, 50.0160,
75.9851

■ 18.0413, 30.7977,
10.5428

■ 65.9846, 53.8273,
88.9636

■ 16.5555, 30.0840,
8.1125

■ 73.8536, 57.6072,
101.8345

■ 15.5263, 29.5897,
6.4291

■ 14.9011, 29.2894,
5.4065

■ 14.5654, 29.1281,
4.8574

Harmonies

Analogous

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



35.0556, 38.3289, 33.3593



33.7221, 38.3289, 36.1927



33.1165, 38.3289, 40.6928

Triad

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



33.7221, 38.3289, 36.1927



36.0652, 38.3289, 52.3139



39.6667, 38.3289, 37.8713

Complementary

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



33.7221, 38.3289, 36.1927



35.7022, 34.7104, 43.3480

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.



39.9584, 38.3289, 42.7921



33.7221, 38.3289, 36.1927



37.8408, 38.3289, 51.4039

Square

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



33.7221, 38.3289, 36.1927



34.4405, 38.3289, 50.2072



39.2801, 38.3289, 47.8131



38.4956, 38.3289, 34.2715

Rectangle

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



33.7221, 38.3289, 36.1927



33.1925, 38.3289, 44.1420



39.2801, 38.3289, 47.8131



39.8724, 38.3289, 39.4145

Sweetspot

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



33.7232, 38.3305, 36.1935



66.4537, 71.5558, 74.7302



37.1384, 40.0118, 36.3380



14.6571, 15.8792, 16.3996



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7232, 38.3305, 36.1935



58.5223, 67.7459, 61.7568



34.4314, 38.6138, 39.9231



7.9045, 8.9394, 8.5222



10.9783, 21.9566, 3.6594



0.3054, 0.6108, 0.1018

Inverse Universe

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



35.7022, 34.7104, 43.3480



62.8092, 59.9042, 77.2542



34.9429, 34.4066, 39.3493



8.3371, 8.1481, 10.0860



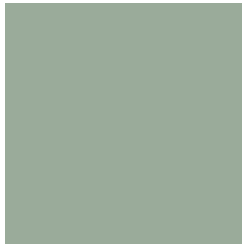
18.2018, 8.7432, 29.7728



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 33.7221, 38.3289, 36.1927 looks on a white background.

Color Contrast Check

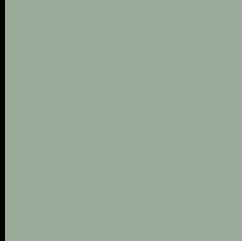
Large Text (above 18pt) WCAG AA × Fail

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 33.7221, 38.3289, 36.1927 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 33.7221, 38.3289, 36.1927

Background



This preview shows how black text looks on a background with the XYZ color 33.7221, 38.3289, 36.1927.



This preview shows how white text looks on a background with the XYZ color 33.7221, 38.3289,

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

33.7221, 38.3289, 36.1927

Protanopia

36.4557, 38.3910, 34.7669

Deuteranopia

38.8213, 37.9810, 36.7375



Tritanopia

36.1575, 38.2018, 48.6480

Trichromacy



Original Color

33.7221, 38.3289, 36.1927

Protanomaly

35.3960, 38.3793, 35.2481

Deuteranomaly

36.6474, 37.9161, 36.3974

Tritanomaly

35.2579, 38.1136, 44.0265

Monochromacy



Original Color

33.7221, 38.3289, 36.1927

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.6611, 37.6491, 38.6979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7221, 38.3289, 36.1927 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(154, 171, 154)` looks like.

```
.text, #text, p{  
    color:rgb(154, 171, 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(154, 171, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 171, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.7221, 38.3289, 36.1927 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(154, 171, 154) }
```


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

```
.border{ border-color:rgb(154, 171, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 171, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 171, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 171, 154);  
box-shadow:4px 4px 4px 4px rgb(154, 171,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7221, 38.3289, 36.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 171, 154) }
```

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

```
.background{ background-color: rgb(154,  
171, 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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