

Converting Colors

XYZ(33.1577, 37.2736, 36.7000)

Have a look what the booklet for
XYZ(33.1577, 37.2736, 36.7000)
contains.

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Color

**XYZ(33.1403, 37.1779,
36.8819)**

Conversions

Conversions Part 1

Format	Color
Hex	99A89C
RGB	153, 168, 156
RGB Percent	60%, 66%, 61%
CMY	0.4000, 0.3412, 0.3882
CMYK	0.09, 0.00, 0.07, 0.34
HSL	132°, 8%, 63%
HSV	132°, 9%, 66%
XYZ	33.1403, 37.1779, 36.8819
YIQ	162.1470, -5.0880, -6.9120

Conversions

Conversions Part 2

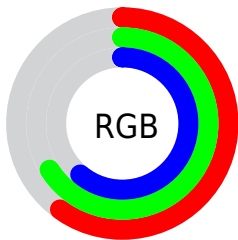
Format	Color
RYB	153, 166, 168
Decimal	10070172
CIELab	67.41, -7.61, 4.39
CIElCh	67, 8.786, 149.990
Yxy	37.1779, 0.3091, 0.3468
Android (android.graphics.Color)	4288260252 (0xFF99A89C)
YUV	162.1470, -3.0305, -8.0219
Hunter-Lab	60.9737, -9.6860, 6.8181

Details

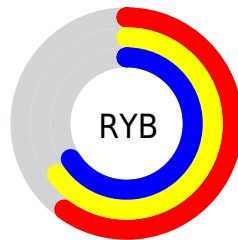
The XYZ color **33.1403, 37.1779, 36.8819** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3326, 33.8249, 40.3185**, and the grayscale version is **34.4279, 36.2208, 39.4445**.

A 20% lighter version of the original color is **63.7527, 70.6939, 71.2579**, and **14.2747, 16.3355, 15.7653** is the 20% darker color. If you saturate the color by 10%, you get **29.1140, 35.2277, 31.0775**, and if you desaturate by 10%, it is **37.7411, 39.4119, 43.3722**.

Distribution



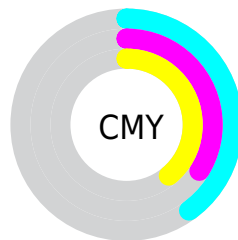
- Red (60%)
- Green (66%)
- Blue (61%)



- Red (60%)
- Yellow (65%)
- Blue (66%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (34%)



- Cyan (40%)
- Magenta (34%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1403, 37.1779, 36.8819 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 33.1403, 37.1779, 36.8819 by changing the saturation by 10% instead.

■ 33.1403, 37.1779,
36.8819

■ 33.1403, 37.1779,
36.8819

307.9353,
334.0801, 347.9522

■ 22.3937, 25.3453,
24.8210

■ 63.9477, 70.8463,
71.5754

■ 14.2647, 16.3345,
15.7259

■ 84.7393, 93.4509,
95.0451

■ 8.3879, 9.7611,
9.1782

109.6098,
120.4149, 123.1548

■ 4.3980, 5.2409,
4.7592

138.9247,
152.1227, 156.3230

■ 1.9297, 2.3893,
2.0504

173.0494,
188.9587, 194.9683

■ 0.5940, 0.8204,
0.5860

212.3491,

■ 0.0000, 0.0000,

231.3074, 239.5093

0.0000

257.1893,
279.5530, 290.3644

■ 33.1403, 37.1779,
36.8819

■ 33.1403, 37.1779,
36.8819

■ 29.1140, 35.2277,
31.0775

■ 37.7411, 39.4119,
43.3722

■ 25.6366, 33.5452,
25.9343

■ 42.9347, 41.9354,
50.5674

■ 22.6848, 32.1202,
21.4294

■ 48.7424, 44.7601,
58.4886

■ 20.2328, 30.9397,
17.5379

■ 55.1835, 47.8954,
67.1554

■ 18.2522, 29.9898,
14.2332

■ 62.2765, 51.3506,
76.5867

■ 16.7120, 29.2550,
11.4867

■ 70.0390, 55.1343,
86.8006

■ 15.5773, 28.7179,
9.2674

■ 72.5124, 56.1743,
97.5351

■ 14.8075, 28.3585,
7.5412

■ 73.2934, 56.4867,
101.6478

■ 14.3297, 28.1399,
6.2690

Harmonies

Analogous

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



34.0573, 37.1779, 34.3885



33.1403, 37.1779, 36.8819



32.8087, 37.1779, 40.4792

Triad

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



33.1403, 37.1779, 36.8819



35.3360, 37.1779, 48.3622



37.6281, 37.1779, 36.8839

Complementary

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



33.1403, 37.1779, 36.8819



34.3326, 33.8249, 40.3185

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.



37.9909, 37.1779, 40.4817



33.1403, 37.1779, 36.8819



36.6473, 37.1779, 47.2524

Square

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



33.1403, 37.1779, 36.8819



34.0566, 37.1779, 47.2510



37.6276, 37.1779, 44.3057



36.6481, 37.1779, 34.3896

Rectangle

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



33.1403, 37.1779, 36.8819



32.9574, 37.1779, 43.0701



37.6276, 37.1779, 44.3057



37.8273, 37.1779, 37.9966

Sweetspot

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



33.1413, 37.1795, 36.8827



64.9118, 69.7811, 73.6907



35.3231, 38.3332, 35.6749



14.0039, 15.1393, 15.8583



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.



33.1413, 37.1795, 36.8827



58.3867, 66.6156, 64.4249



33.7740, 37.4326, 40.2145



7.4958, 8.4314, 8.3311



10.8032, 21.2400, 4.7304



0.2796, 0.5235, 0.2034

Inverse Universe

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



34.3326, 33.8249, 40.3185



61.0571, 59.0956, 72.1262



33.6910, 33.5682, 36.9396



7.7767, 7.6405, 9.1411



15.4840, 7.6023, 17.8921



0.3926, 0.1913, 0.5191

Previews

White Background



This preview shows how the XYZ color 33.1403, 37.1779, 36.8819 looks on a white background.

Color Contrast Check

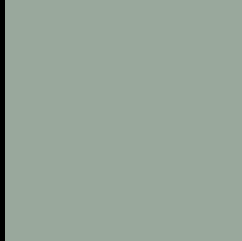
Large Text (above 18pt) WCAG AA × Fail

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 33.1403, 37.1779, 36.8819 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

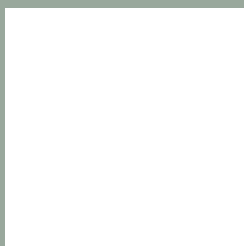
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1403, 37.1779, 36.8819

Background



This preview shows how black text looks on a background with the XYZ color 33.1403, 37.1779, 36.8819.



This preview shows how white text looks on a background with the XYZ color 33.1403, 37.1779,

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

33.1403, 37.1779, 36.8819

Protanopia

35.2091, 36.9293, 35.4093

Deuteranopia

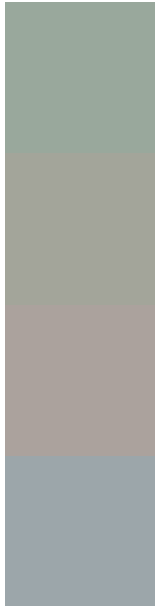
37.6898, 36.8674, 37.4774



Tritanopia

35.3956, 37.2927, 47.4521

Trichromacy



Original Color

33.1403, 37.1779, 36.8819

Protanomaly

34.3921, 37.0299, 35.9067

Deuteranomaly

35.8007, 36.9329, 37.1402

Tritanomaly

34.6022, 37.2426, 43.3950

Monochromacy



Original Color

33.1403, 37.1779, 36.8819

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.9187, 36.4599, 38.5075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1403, 37.1779, 36.8819 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(153, 168, 156) looks like.

```
.text, #text, p{  
    color:rgb(153, 168, 156)  
}
```

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(153, 168, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 168, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.1403, 37.1779, 36.8819 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(153, 168, 156) }
```


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

```
.border{ border-color:rgb(153, 168, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 168, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 168, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 168, 156);  
box-shadow:4px 4px 4px 4px rgb(153, 168,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1403, 37.1779, 36.8819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 168, 156) }
```

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

```
.background{ background-color: rgb(153,  
168, 156) }
```

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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