

Converting Colors

XYZ(33.1773, 37.7304, 34.7644)

Have a look what the booklet for
XYZ(33.1773, 37.7304, 34.7644)
contains.

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Color

**XYZ(33.2871, 37.8538,
34.8303)**

Conversions

Conversions Part 1

Format	Color
Hex	9AAA97
RGB	154, 170, 151
RGB Percent	60%, 67%, 59%
CMY	0.3961, 0.3333, 0.4078
CMYK	0.09, 0.00, 0.11, 0.33
HSL	111°, 10%, 63%
HSV	111°, 11%, 67%
XYZ	33.2871, 37.8538, 34.8303
YIQ	163.0500, -3.4370, -9.3010

Conversions

Conversions Part 2

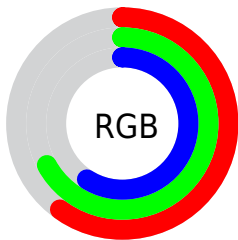
Format	Color
RYB	151, 170, 167
Decimal	10136215
CIELab	67.91, -9.25, 7.90
CIELCh	68, 12.165, 139.534
Yxy	37.8538, 0.3141, 0.3572
Android (android.graphics.Color)	4288326295 (0xFF9AAA97)
YUV	163.0500, -5.9406, -7.9368
Hunter-Lab	61.5254, -11.0957, 9.5030

Details

The XYZ color **33.2871, 37.8538, 34.8303** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2601, 33.2520, 42.6447**, and the grayscale version is **34.8656, 36.6813, 39.9459**.

A 20% lighter version of the original color is **63.9571, 71.6681, 68.2200**, and **14.3722, 16.7605, 14.5342** is the 20% darker color. If you saturate the color by 10%, you get **29.4407, 36.0202, 27.9556**, and if you desaturate by 10%, it is **37.6597, 39.9378, 42.7706**.

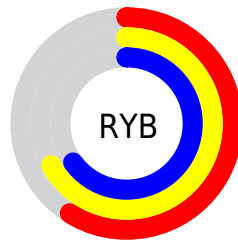
Distribution



Red (60%)

Green (67%)

Blue (59%)



Red (59%)

Yellow (67%)

Blue (65%)

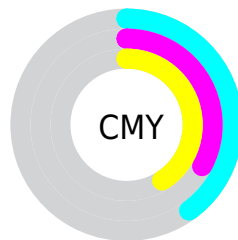


Cyan (9%)

Magenta (0%)

Yellow (11%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2871, 37.8538, 34.8303 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 33.2871, 37.8538, 34.8303 by changing the saturation by 10% instead.

■ 33.2871, 37.8538,
34.8303

■ 33.2871, 37.8538,
34.8303

308.5836,
336.9924, 338.7001

■ 22.5068, 25.8692,
23.2497

■ 64.1752, 71.8840,
68.3714

■ 14.3484, 16.7258,
14.5709

■ 85.0136, 94.6984,
91.1689

■ 8.4467, 10.0392,
8.3756

109.9355,
121.8916, 118.5425

■ 4.4363, 5.4250,
4.2450

139.3062,
153.8479, 150.9107

■ 1.9518, 2.4987,
1.7607

173.4909,
190.9517, 188.6920

■ 0.6067, 0.8760,
0.4018

212.8552,

■ 0.0000, 0.0000,

233.5875, 232.3050

0.0000

257.7643,
282.1396, 282.1682

■ 33.2871, 37.8538,
34.8303

■ 33.2871, 37.8538,
34.8303

■ 29.4407, 36.0202,
27.9556

■ 37.6597, 39.9378,
42.7706

■ 26.0977, 34.4230,
22.0986

■ 42.5742, 42.2762,
51.8164

■ 23.2377, 33.0538,
17.2119

■ 48.0495, 44.8789,
62.0087

■ 20.8383, 31.9022,
13.2431

■ 54.1027, 47.7539,
73.3858

■ 18.8750, 30.9569,
10.1346

■ 60.7500, 50.9088,
85.9839

■ 17.3208, 30.2052,
7.8229

■ 68.0071, 54.3508,
99.8380

■ 16.1460, 29.6335,
6.2353

■ 73.3780, 57.0827,
101.7584

■ 15.3162, 29.2259,
5.2858

■ 73.6654, 57.2309,
101.7718

■ 14.8232, 28.9817,
4.8128

Harmonies

Analogous

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



34.7787, 37.8538, 32.1739



33.2871, 37.8538, 34.8303



32.5258, 37.8538, 39.3564

Triad

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



33.2871, 37.8538, 34.8303



35.3235, 37.8538, 52.3089



39.5098, 37.8538, 37.8369

Complementary

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



33.2871, 37.8538, 34.8303



34.2601, 33.2520, 42.6447

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.



39.6681, 37.8538, 43.1340



33.2871, 37.8538, 34.8303



37.2064, 37.8538, 51.8118

Square

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



33.2871, 37.8538, 34.8303



33.6739, 37.8538, 49.6429



38.8120, 37.8538, 48.3388



38.3868, 37.8538, 33.8018

Rectangle

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



33.2871, 37.8538, 34.8303



32.5162, 37.8538, 42.9624



38.8120, 37.8538, 48.3388



39.6791, 37.8538, 39.5182

Sweetspot

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



33.2881, 37.8554, 34.8311



66.7636, 71.7155, 74.7448



35.9532, 38.3585, 34.7878



14.7433, 15.9237, 16.4036



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.



33.2881, 37.8554, 34.8311



58.8817, 67.9600, 60.4718



33.2527, 37.7761, 37.5876



7.5430, 8.4625, 8.0251



10.9356, 21.3348, 3.5417



0.2976, 0.5353, 0.0876

Inverse Universe

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



34.2601, 33.2520, 42.6447



60.9404, 58.2073, 77.0251



34.3163, 33.3486, 39.5940



7.7239, 7.6058, 9.4793



13.7295, 6.4612, 28.4990



0.3642, 0.1728, 0.6948

Previews

White Background



This preview shows how the XYZ color 33.2871, 37.8538, 34.8303 looks on a white background.

Color Contrast Check

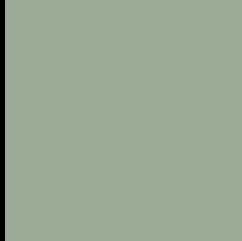
Large Text (above 18pt) WCAG AA × Fail

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 33.2871, 37.8538, 34.8303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

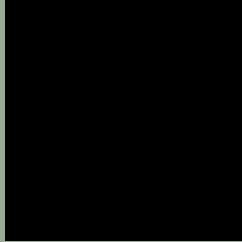
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2871, 37.8538, 34.8303

Background



This preview shows how black text looks on a background with the XYZ color 33.2871, 37.8538, 34.8303.



This preview shows how white text looks on a background with the XYZ color 33.2871, 37.8538,

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

33.2871, 37.8538, 34.8303

Protanopia

35.8137, 37.8190, 33.4292

Deuteranopia

38.3976, 37.5353, 35.3583



Tritanopia

35.8735, 37.7962, 48.0525

Trichromacy



Original Color

33.2871, 37.8538, 34.8303

Protanomaly

34.7606, 37.8067, 33.8991

Deuteranomaly

36.2202, 37.4601, 35.0273

Tritanomaly

34.8848, 37.6701, 42.9685

Monochromacy



Original Color

33.2871, 37.8538, 34.8303

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3914, 37.2492, 38.1781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2871, 37.8538, 34.8303 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, 170, 151)` looks like.

```
.text, #text, p{  
    color:rgb(154, 170, 151)  
}
```

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, 170, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 170, 151) }
```

Border

The CSS property to change the border of an element to XYZ 33.2871, 37.8538, 34.8303 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, 170, 151) }
```


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

```
.border{ border-color:rgb(154, 170, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 170, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 170, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 170, 151);  
box-shadow:4px 4px 4px 4px rgb(154, 170,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2871, 37.8538, 34.8303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 170, 151) }
```

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

```
.background{ background-color: rgb(154,  
170, 151) }
```

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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