

Converting Colors

XYZ(33.8251, 37.0007, 42.4717)

Have a look what the booklet for
XYZ(33.8251, 37.0007, 42.4717)
contains.

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Color

**XYZ(33.8355, 37.1400,
42.4312)**

Conversions

Conversions Part 1

Format	Color
Hex	98A7A8
RGB	152, 167, 168
RGB Percent	60%, 65%, 66%
CMY	0.4039, 0.3451, 0.3412
CMYK	0.10, 0.01, 0.00, 0.34
HSL	184°, 8%, 63%
HSV	184°, 10%, 66%
XYZ	33.8355, 37.1400, 42.4312
YIQ	162.6290, -9.2610, -2.8690

Conversions

Conversions Part 2

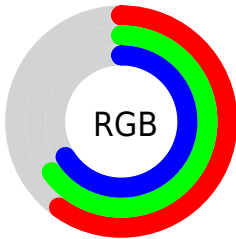
Format	Color
RYB	152, 160, 168
Decimal	10004392
CIELab	67.38, -5.04, -2.32
CIElCh	67, 5.551, 204.735
Yxy	37.1400, 0.2984, 0.3275
Android (android.graphics.Color)	4288194472 (0xFF98A7A8)
YUV	162.6290, 2.6479, -9.3216
Hunter-Lab	60.9426, -7.5458, 1.3792

Details

The XYZ color **33.8355, 37.1400, 42.4312** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2073, 33.3741, 34.3980**, and the grayscale version is **34.6298, 36.4333, 39.6759**.

A 20% lighter version of the original color is **64.8942, 70.6921, 80.0367**, and **14.6499, 16.2891, 18.8950** is the 20% darker color. If you saturate the color by 10%, you get **30.7204, 35.2514, 42.2314**, and if you desaturate by 10%, it is **37.3997, 39.2644, 42.6540**.

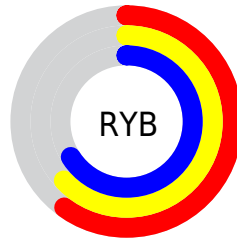
Distribution



Red (60%)

Green (65%)

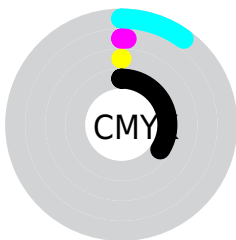
Blue (66%)



Red (60%)

Yellow (63%)

Blue (66%)

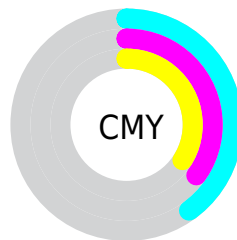


Cyan (10%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (40%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8355, 37.1400, 42.4312 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 33.8355, 37.1400, 42.4312 by changing the saturation by 10% instead.

■ 33.8355, 37.1400,
42.4312

■ 33.8355, 37.1400,
42.4312

310.9968,
333.9162, 372.1196

■ 22.9295, 25.3159,
29.1110

■ 65.0238, 70.7881,
80.1289

■ 14.6619, 16.3126,
18.9185

■ 86.0368, 93.3808,
105.3435

■ 8.6672, 9.7456,
11.4352

111.1495,
120.3319, 135.3600

■ 4.5801, 5.2306,
6.2425

140.7274,
152.0257, 170.5969

■ 2.0353, 2.3832,
2.9219

175.1357,
188.8467, 211.4728

■ 0.6537, 0.8172,
1.0549

214.7398,

■ 0.0000, 0.0000,

231.1791, 258.4062

0.0000

259.9050,
279.4075, 311.8156

■ 33.8355, 37.1400,
42.4312

■ 33.8355, 37.1400,
42.4312

■ 30.7204, 35.2514,
42.2314

■ 37.3997, 39.2644,
42.6540

■ 28.0326, 33.5844,
42.0513

■ 41.4273, 41.6290,
42.8981

■ 25.7531, 32.1303,
41.8908

■ 45.9360, 44.2440,
43.1652

■ 23.8606, 30.8778,
41.7488

■ 50.9416, 47.1173,
43.4560

■ 22.3314, 29.8150,
41.6242

■ 56.4590, 50.2570,
43.7712

■ 21.1394, 28.9283,
41.5159

■ 62.5027, 53.6702,
44.1115

■ 20.2551, 28.2025,
41.4224

■ 63.5088, 54.4888,
44.2165

■ 19.6439, 27.6197,
41.3422

■ 63.7124, 54.8960,
44.2843

■ 19.2331, 27.1425,
41.2717

■ 63.9176, 55.3065,
44.3528

Harmonies

Analogous

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



33.6965, 37.1400, 40.0108



33.8355, 37.1400, 42.4312



34.3644, 37.1400, 44.3861

Triad

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



33.8355, 37.1400, 42.4312



36.6530, 37.1400, 43.2047



35.4508, 37.1400, 35.9512

Complementary

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



33.8355, 37.1400, 42.4312



33.2073, 33.3741, 34.3980

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.



36.2533, 37.1400, 36.7334



33.8355, 37.1400, 42.4312



36.9545, 37.1400, 40.8705

Square

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



33.8355, 37.1400, 42.4312



35.9893, 37.1400, 44.8451



36.8071, 37.1400, 38.5104



34.6204, 37.1400, 36.3317

Rectangle

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



33.8355, 37.1400, 42.4312



34.8715, 37.1400, 45.1291



36.8071, 37.1400, 38.5104



35.7329, 37.1400, 36.0859

Sweetspot

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



33.8366, 37.1416, 42.4320



65.4882, 69.8403, 77.2540



32.6854, 36.9746, 35.4652



14.1611, 15.1553, 16.8310



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.



33.8366, 37.1416, 42.4320



60.3958, 66.7932, 76.9343



32.4499, 34.3683, 41.9698



7.7069, 8.4508, 9.6433



14.5238, 20.5078, 31.1684



0.3649, 0.5220, 0.7622

Inverse Universe

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



34.3526, 33.5721, 41.2305



61.4868, 59.2675, 74.3890



34.5265, 36.0123, 34.8377



7.8214, 7.6584, 9.3768



16.8315, 8.1413, 24.9881



0.4153, 0.2004, 0.6386

Previews

White Background



This preview shows how the XYZ color 33.8355, 37.1400, 42.4312 looks on a white background.

Color Contrast Check

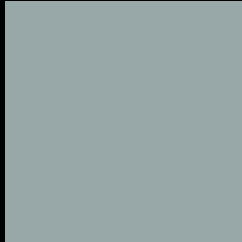
Large Text (above 18pt) WCAG AA × Fail

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 33.8355, 37.1400, 42.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

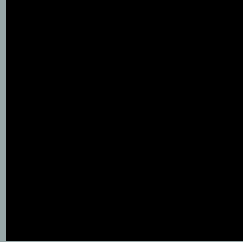
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

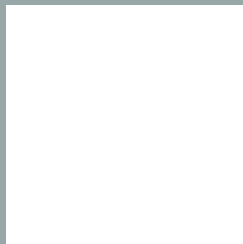
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8355, 37.1400, 42.4312

Background



This preview shows how black text looks on a background with the XYZ color 33.8355, 37.1400, 42.4312.



This preview shows how white text looks on a background with the XYZ color 33.8355, 37.1400,

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

33.8355, 37.1400, 42.4312

Protanopia

35.7060, 37.0546, 41.3467

Deuteranopia

37.7853, 37.0457, 43.1892



Tritanopia

34.9182, 37.0350, 47.9559

Trichromacy



Original Color

33.8355, 37.1400, 42.4312

Protanomaly

34.9485, 36.9180, 41.8431

Deuteranomaly

36.2302, 37.0301, 42.7741

Tritanomaly

34.5110, 37.1399, 45.9072

Monochromacy



Original Color

33.8355, 37.1400, 42.4312

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3651, 36.6385, 40.8580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8355, 37.1400, 42.4312 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(152, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(152, 167, 168)  
}
```

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(152, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.8355, 37.1400, 42.4312 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(152, 167, 168) }
```


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

```
.border{ border-color:rgb(152, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(152, 167,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8355, 37.1400, 42.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 167, 168) }
```

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

```
.background{ background-color: rgb(152,  
167, 168) }
```

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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