

Converting Colors

XYZ(33.7568, 37.3753, 42.2371)

Have a look what the booklet for
XYZ(33.7568, 37.3753, 42.2371)
contains.

XYZ(33.8330, 37.4117, 42.4838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8330, 37.4117,
42.4838)**

Conversions

Conversions Part 1

Format	Color
Hex	97A8A8
RGB	151, 168, 168
RGB Percent	59%, 66%, 66%
CMY	0.4078, 0.3412, 0.3412
CMYK	0.10, 0.00, 0.00, 0.34
HSL	180°, 9%, 63%
HSV	180°, 10%, 66%
XYZ	33.8330, 37.4117, 42.4838
YIQ	162.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

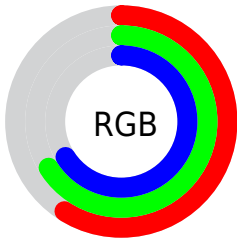
Format	Color
RYB	151, 160, 168
Decimal	9939112
CIELab	67.58, -5.93, -2.03
CIELCh	68, 6.264, 198.942
Yxy	37.4117, 0.2975, 0.3290
Android (android.graphics.Color)	4288129192 (0xFF97A8A8)
YUV	162.9170, 2.5059, -10.4512
Hunter-Lab	61.1651, -8.3031, 1.6342

Details

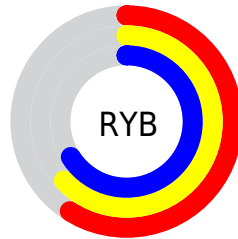
The XYZ color **33.8330, 37.4117, 42.4838** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8023, 32.6934, 33.8614**, and the grayscale version is **34.7664, 36.5770, 39.8323**.

A 20% lighter version of the original color is **64.8838, 71.0822, 80.1125**, and **14.6533, 16.4611, 18.9280** is the 20% darker color. If you saturate the color by 10%, you get **30.9347, 35.9186, 42.3478**, and if you desaturate by 10%, it is **37.1778, 39.1370, 42.6423**.

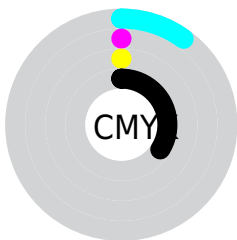
Distribution



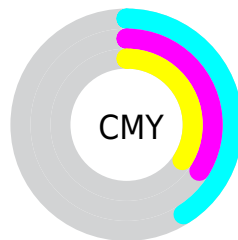
- Red (59%)
- Green (66%)
- Blue (66%)



- Red (59%)
- Yellow (63%)
- Blue (66%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)



- Cyan (41%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8330, 37.4117, 42.4838 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 33.8330, 37.4117, 42.4838 by changing the saturation by 10% instead.

■ 33.8330, 37.4117,
42.4838

■ 33.8330, 37.4117,
42.4838

310.9858,
335.0895, 372.3432

■ 22.9276, 25.5264,
29.1519

■ 65.0199, 71.2055,
80.2093

■ 14.6605, 16.4697,
18.9492

■ 86.0321, 93.8829,
105.4400

■ 8.6662, 9.8571,
11.4571

111.1440,
120.9263, 135.4740

■ 4.5795, 5.3043,
6.2572

140.7209,
152.7203, 170.7299

■ 2.0349, 2.4269,
2.9308

175.1282,
189.6493, 211.6263

■ 0.6534, 0.8397,
1.0594

214.7312,

■ 0.0000, 0.0000,

232.0975, 258.5816

0.0000

259.8953,
280.4495, 312.0144

■ 33.8330, 37.4117,
42.4838

■ 33.8330, 37.4117,
42.4838

■ 30.9347, 35.9186,
42.3478

■ 37.1778, 39.1370,
42.6423

■ 28.4609, 34.6434,
42.2308

■ 40.9835, 41.0989,
42.8216

■ 26.3928, 33.5772,
42.1329

■ 45.2677, 43.3075,
43.0232

■ 24.7087, 32.7091,
42.0529

■ 50.0464, 45.7709,
43.2481

■ 23.3849, 32.0267,
41.9897

■ 55.3345, 48.4970,
43.4967

■ 22.3952, 31.5165,
41.9422

■ 61.1465, 51.4932,
43.7699

■ 21.7098, 31.1631,
41.9090

■ 62.3129, 52.0945,
43.8256

■ 21.2936, 30.9486,
41.8883

■ 62.3131, 52.0945,
43.8268

■ 21.0693, 30.8330,
41.8767

■ 62.3133, 52.0946,
43.8280

Harmonies

Analogous

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



33.7692, 37.4117, 39.7246



33.8330, 37.4117, 42.4838



34.3543, 37.4117, 44.8733

Triad

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



33.8330, 37.4117, 42.4838



36.9757, 37.4117, 44.3247



35.9156, 37.4117, 35.7407

Complementary

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



33.8330, 37.4117, 42.4838



32.8023, 32.6934, 33.8614

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.



36.7910, 37.4117, 36.8593



33.8330, 37.4117, 42.4838



37.4103, 37.4117, 41.7624

Square

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



33.8330, 37.4117, 42.4838



36.1642, 37.4117, 45.9688



37.3421, 37.4117, 39.0348



34.9600, 37.4117, 35.9143

Rectangle

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



33.8330, 37.4117, 42.4838



34.8964, 37.4117, 45.8962



37.3421, 37.4117, 39.0348



36.2293, 37.4117, 35.9760

Sweetspot

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



33.8341, 37.4133, 42.4846



65.5952, 70.0544, 77.2891



32.4048, 36.8476, 34.6832



14.1904, 15.2139, 16.8406



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.



33.8341, 37.4133, 42.4846



60.2233, 67.2852, 77.0357



32.3647, 34.4742, 41.9960



7.7475, 8.5321, 9.6566



15.9099, 23.2827, 31.6221



0.3871, 0.5665, 0.7694

Inverse Universe

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



32.8023, 32.6934, 33.8614



57.9945, 57.0892, 58.4076



34.1711, 35.4314, 34.3167



7.5312, 7.5423, 7.8484



12.1948, 6.2866, 0.5713



0.2967, 0.1530, 0.0140

Previews

White Background



This preview shows how the XYZ color 33.8330, 37.4117, 42.4838 looks on a white background.

Color Contrast Check

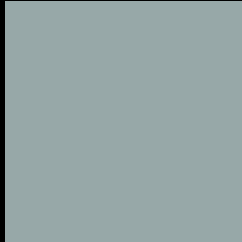
Large Text (above 18pt) WCAG AA × Fail

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 33.8330, 37.4117, 42.4838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

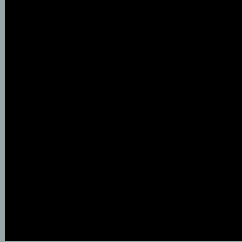
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8330, 37.4117, 42.4838

Background



This preview shows how black text looks on a background with the XYZ color 33.8330, 37.4117, 42.4838.

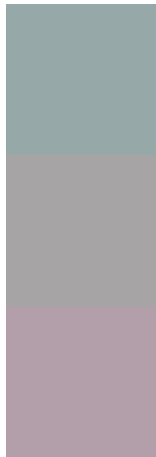


This preview shows how white text looks on a background with the XYZ color 33.8330, 37.4117,

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

33.8330, 37.4117, 42.4838

Protanopia

36.0033, 37.4830, 40.9347

Deuteranopia

38.0139, 37.1635, 43.1999



Tritanopia

34.9098, 37.2994, 48.0074

Trichromacy



Original Color

33.8330, 37.4117, 42.4838

Protanomaly

35.0360, 37.2405, 41.4179

Deuteranomaly

36.2302, 37.0301, 42.7741

Tritanomaly

34.5055, 37.4080, 45.9593

Monochromacy



Original Color

33.8330, 37.4117, 42.4838

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.5447, 36.9978, 40.9179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8330, 37.4117, 42.4838 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(151, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(151, 168, 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(151, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 168, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.8330, 37.4117, 42.4838 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(151, 168, 168) }
```


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

```
.border{ border-color:rgb(151, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(151, 168,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8330, 37.4117, 42.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 168, 168) }
```

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

```
.background{ background-color: rgb(151,  
168, 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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