

Converting Colors

XYZ(34.9875, 37.6306, 42.6119)

Have a look what the booklet for
XYZ(34.9875, 37.6306, 42.6119)
contains.

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Color

**XYZ(34.9872, 37.7337,
42.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA7A8
RGB	158, 167, 168
RGB Percent	62%, 65%, 66%
CMY	0.3804, 0.3451, 0.3412
CMYK	0.06, 0.01, 0.00, 0.34
HSL	186°, 5%, 64%
HSV	186°, 6%, 66%
XYZ	34.9872, 37.7337, 42.4851
YIQ	164.4230, -5.6850, -1.5970

Conversions

Conversions Part 2

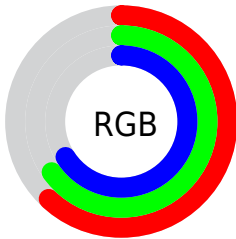
Format	Color
RYB	158, 163, 168
Decimal	10397608
CIELab	67.82, -2.97, -1.62
CIElCh	68, 3.385, 208.641
Yxy	37.7337, 0.3037, 0.3275
Android (android.graphics.Color)	4288587688 (0xFF9EA7A8)
YUV	164.4230, 1.7635, -5.6330
Hunter-Lab	61.4278, -5.8310, 1.9929

Details

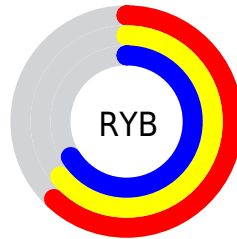
The XYZ color **34.9872, 37.7337, 42.4851** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.7184, 35.5896, 37.3881**, and the grayscale version is **35.4829, 37.3307, 40.6532**.

A 20% lighter version of the original color is **66.8811, 71.7164, 80.1297**, and **15.3465, 16.6482, 18.9276** is the 20% darker color. If you saturate the color by 10%, you get **31.6012, 35.5364, 42.2400**, and if you desaturate by 10%, it is **38.8311, 40.1750, 42.7543**.

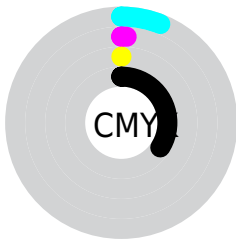
Distribution



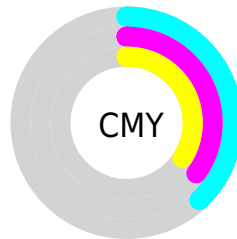
- Red (62%)
- Green (65%)
- Blue (66%)



- Red (62%)
- Yellow (64%)
- Blue (66%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



- Cyan (38%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9872, 37.7337, 42.4851 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 34.9872, 37.7337, 42.4851 by changing the saturation by 10% instead.

■ 34.9872, 37.7337,
42.4851

■ 34.9872, 37.7337,
42.4851

316.0208,
336.4762, 372.3487

■ 23.8195, 25.7761,
29.1529

■ 66.8001, 71.6998,
80.2113

■ 15.3238, 16.6562,
18.9500

■ 88.1760, 94.4770,
105.4424

■ 9.1347, 9.9897,
11.4577

113.6853,
121.6296, 135.4768

■ 4.8870, 5.3921,
6.2575

143.6934,
153.5419, 170.7332

■ 2.2152, 2.4791,
2.9310

178.5657,
190.5983, 211.6300

■ 0.7507, 0.8662,
1.0595

218.6674,

■ 0.0000, 0.0000,

233.1833, 258.5859

0.0000

264.3640,
281.6811, 312.0193

■ 34.9872, 37.7337,
42.4851

■ 34.9872, 37.7337,
42.4851

■ 31.6012, 35.5364,
42.2400

■ 38.8311, 40.1750,
42.7543

■ 28.6517, 33.5690,
42.0157

■ 43.1469, 42.8645,
43.0460

■ 26.1202, 31.8229,
41.8121

■ 47.9520, 45.8122,
43.3617

■ 23.9859, 30.2874,
41.6282

■ 53.2618, 49.0260,
43.7021

■ 22.2260, 28.9508,
41.4630

■ 59.0911, 52.5137,
44.0681

■ 20.8153, 27.8000,
41.3152

■ 64.0415, 55.5543,
44.3941

■ 19.7258, 26.8205,
41.1836

■ 64.3747, 56.2206,
44.5051

■ 18.9247, 25.9955,
41.0666

■ 64.7119, 56.8951,
44.6175

■ 18.3689, 25.3026,
40.9621

■ 65.0533, 57.5778,
44.7313

Harmonies

Analogous

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



34.8663, 37.7337, 41.0171



34.9872, 37.7337, 42.4851



35.3427, 37.7337, 43.6007

Triad

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



34.9872, 37.7337, 42.4851



36.7325, 37.7337, 42.6065



35.8887, 37.7337, 38.2662

Complementary

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



34.9872, 37.7337, 42.4851



34.7184, 35.5896, 37.3881

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.



36.3920, 37.7337, 38.6691



34.9872, 37.7337, 42.4851



36.8821, 37.7337, 41.1541

Square

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



34.9872, 37.7337, 42.4851



36.3501, 37.7337, 43.6721



36.7569, 37.7337, 39.7171



35.3837, 37.7337, 38.6033

Rectangle

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



34.9872, 37.7337, 42.4851



35.6665, 37.7337, 43.9818



36.7569, 37.7337, 39.7171



36.0637, 37.7337, 38.3194

Sweetspot

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



34.9883, 37.7353, 42.4859



66.1205, 70.1557, 77.2816



34.3474, 37.7724, 38.2063



14.4287, 15.3019, 16.8452



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.



34.9883, 37.7353, 42.4859



62.7251, 67.9835, 77.0412



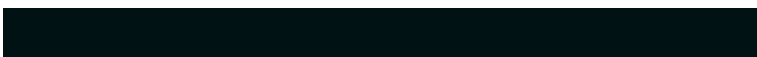
34.1188, 35.9964, 42.1961



7.8305, 8.4977, 9.6458



13.7453, 18.9507, 30.9089



0.3521, 0.4965, 0.7579

Inverse Universe

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



35.3512, 35.5694, 41.5634



63.5092, 63.3180, 75.0455



35.5663, 37.2854, 37.6707



7.9327, 7.8901, 9.3857



16.4386, 7.9841, 22.9188



0.4089, 0.1978, 0.6047

Previews

White Background



This preview shows how the XYZ color 34.9872, 37.7337, 42.4851 looks on a white background.

Color Contrast Check

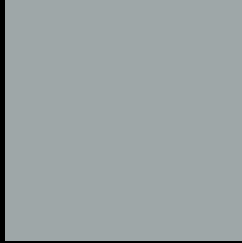
Large Text (above 18pt) WCAG AA × Fail

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 34.9872, 37.7337, 42.4851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

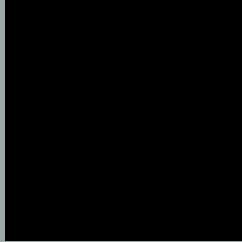
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

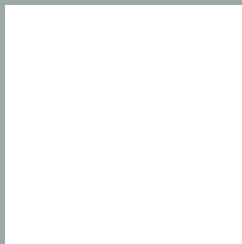
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9872, 37.7337, 42.4851

Background



This preview shows how black text looks on a background with the XYZ color 34.9872, 37.7337, 42.4851.



This preview shows how white text looks on a background with the XYZ color 34.9872, 37.7337,

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

34.9872, 37.7337, 42.4851

Protanopia

36.3068, 37.6289, 41.4259

Deuteranopia

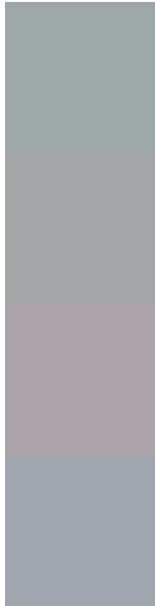
38.3226, 37.5899, 42.7719



Tritanopia

35.9882, 37.5982, 47.4799

Trichromacy



Original Color

34.9872, 37.7337, 42.4851

Protanomaly

35.7400, 37.5928, 41.9317

Deuteranomaly

37.0532, 37.7169, 42.8633

Tritanomaly

35.5743, 37.6994, 45.4461

Monochromacy



Original Color

34.9872, 37.7337, 42.4851

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.1470, 37.3083, 40.9461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9872, 37.7337, 42.4851 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(158, 167, 168) looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 34.9872, 37.7337, 42.4851 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(158, 167, 168) }
```


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

```
.border{ border-color:rgb(158, 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(158, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(158, 167,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9872, 37.7337, 42.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 167, 168) }
```

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

```
.background{ background-color: rgb(158,  
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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