

Converting Colors

XYZ(33.7870, 38.0538, 37.4626)

Have a look what the booklet for
XYZ(33.7870, 38.0538, 37.4626)
contains.

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Color

**XYZ(33.7870, 38.0538,
37.4626)**

Conversions

Conversions Part 1

Format	Color
Hex	9AAA9D
RGB	154, 170, 157
RGB Percent	60%, 67%, 62%
CMY	0.3961, 0.3333, 0.3843
CMYK	0.09, 0.00, 0.08, 0.33
HSL	131°, 9%, 64%
HSV	131°, 9%, 67%
XYZ	33.7870, 38.0538, 37.4626
YIQ	163.7340, -5.3630, -7.4350

Conversions

Conversions Part 2

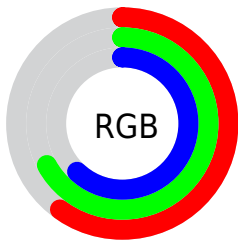
Format	Color
RYB	154, 167, 170
Decimal	10136221
CIELab	68.06, -8.14, 4.79
CIElCh	68, 9.439, 149.526
Yxy	38.0538, 0.3091, 0.3481
Android (android.graphics.Color)	4288326301 (0xFF9AAA9D)
YUV	163.7340, -3.3199, -8.5367
Hunter-Lab	61.6878, -10.1874, 7.1750

Details

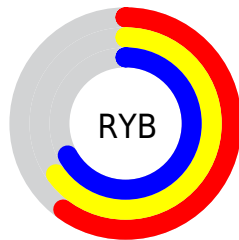
The XYZ color **33.7870, 38.0538, 37.4626** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.1097, 34.4483, 41.3599**, and the grayscale version is **35.1782, 37.0102, 40.3041**.

A 20% lighter version of the original color is **64.8213, 72.0138, 72.7710**, and **14.6735, 16.8810, 16.1207** is the 20% darker color. If you saturate the color by 10%, you get **29.6643, 36.0582, 31.4576**, and if you desaturate by 10%, it is **38.5035, 40.3422, 44.1931**.

Distribution



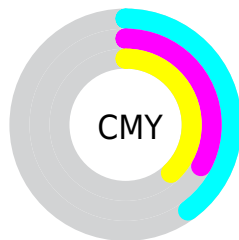
- Red (60%)
- Green (67%)
- Blue (62%)



- Red (60%)
- Yellow (65%)
- Blue (67%)



- Cyan (9%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (40%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7870, 38.0538, 37.4626 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 33.7870, 38.0538, 37.4626 by changing the saturation by 10% instead.

■ 33.7870, 38.0538,
37.4626

■ 33.7870, 38.0538,
37.4626

310.7839,
337.8507, 350.5378

■ 22.8921, 26.0244,
25.2673

■ 64.9488, 72.1906,
72.4780

■ 14.6341, 16.8419,
16.0555

■ 85.9464, 95.0668,
96.1351

■ 8.6477, 10.1219,
9.4086

111.0424,
122.3275, 124.4498

■ 4.5673, 5.4798,
4.9082

140.6019,
154.3569, 157.8408

■ 2.0278, 2.5315,
2.1357

174.9905,
191.5396, 196.7266

■ 0.6495, 0.8923,
0.6369

214.5735,

■ 0.0000, 0.0000,

234.2598, 241.5257

0.0000

259.7162,
282.9021, 292.6566

■ 33.7870, 38.0538,
37.4626

■ 33.7870, 38.0538,
37.4626

■ 29.6643, 36.0582,
31.4576

■ 38.5035, 40.3422,
44.1931

■ 26.1086, 34.3390,
26.1515

■ 43.8328, 42.9296,
51.6695

■ 23.0959, 32.8852,
21.5195

■ 49.7971, 45.8280,
59.9148

■ 20.5989, 31.6836,
17.5345

■ 56.4165, 49.0473,
68.9501

■ 18.5883, 30.7196,
14.1678

■ 63.7101, 52.5970,
78.7955

■ 17.0316, 29.9770,
11.3882

■ 71.3262, 56.2952,
89.4534

■ 15.8923, 29.4377,
9.1620

■ 73.4562, 57.1472,
100.6700

■ 15.1278, 29.0806,
7.4518

■ 73.6654, 57.2309,
101.7718

■ 14.6580, 28.8653,
6.2144

Harmonies

Analogous

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



34.7937, 38.0538, 34.7815



33.7870, 38.0538, 37.4626



33.4153, 38.0538, 41.3672

Triad

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



33.7870, 38.0538, 37.4626



36.1456, 38.0538, 50.0682



38.6848, 38.0538, 37.5711

Complementary

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



33.7870, 38.0538, 37.4626



35.1097, 34.4483, 41.3599

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.



39.0699, 38.0538, 41.5011



33.7870, 38.0538, 37.4626



37.5801, 38.0538, 48.8851

Square

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



33.7870, 38.0538, 37.4626



34.7543, 38.0538, 48.8104



38.6604, 38.0538, 45.6769



37.6216, 38.0538, 34.8411

Rectangle

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



33.7870, 38.0538, 37.4626



33.5697, 38.0538, 44.1994



38.6604, 38.0538, 45.6769



38.8991, 38.0538, 38.7867

Sweetspot

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



33.7881, 38.0554, 37.4634



66.6149, 71.6202, 75.5789



36.1595, 39.3072, 36.2537



14.7020, 15.8972, 16.6358



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.



33.7881, 38.0554, 37.4634



59.8877, 68.3589, 65.9284



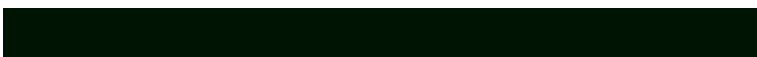
34.4879, 38.3354, 41.1487



7.4921, 8.4299, 8.3114



10.7805, 21.2310, 4.6112



0.2782, 0.5229, 0.1961

Inverse Universe

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



35.1097, 34.4483, 41.3599



62.7063, 60.6656, 74.2383



34.3982, 34.1638, 37.6135



7.7807, 7.6421, 9.1623



15.5955, 7.6469, 18.4792



0.3946, 0.1921, 0.5294

Previews

White Background



This preview shows how the XYZ color 33.7870, 38.0538, 37.4626 looks on a white background.

Color Contrast Check

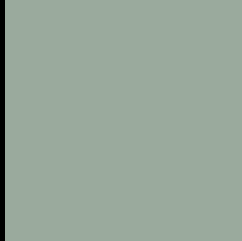
Large Text (above 18pt) WCAG AA × Fail

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 33.7870, 38.0538, 37.4626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

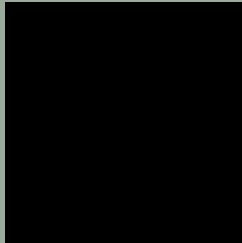
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

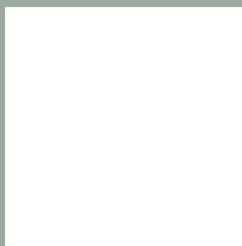
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7870, 38.0538, 37.4626

Background



This preview shows how black text looks on a background with the XYZ color 33.7870, 38.0538, 37.4626.



This preview shows how white text looks on a background with the XYZ color 33.7870, 38.0538,

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

33.7870, 38.0538, 37.4626

Protanopia

36.0825, 37.9013, 35.9858

Deuteranopia

38.5960, 37.8352, 38.0696



Tritanopia

36.1575, 38.2018, 48.6480

Trichromacy



Original Color

33.7870, 38.0538, 37.4626

Protanomaly

35.2522, 38.0033, 36.4877

Deuteranomaly

36.6806, 37.9038, 37.7306

Tritanomaly

35.3537, 38.1519, 44.5304

Monochromacy



Original Color

33.7870, 38.0538, 37.4626

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.5664, 37.3192, 39.0997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7870, 38.0538, 37.4626 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(154, 170, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 170, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.7870, 38.0538, 37.4626 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, 157) }
```


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

```
.border{ border-color:rgb(154, 170, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 170, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 170, 157);  
box-shadow:4px 4px 4px 4px rgb(154, 170,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7870, 38.0538, 37.4626 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, 157) }
```

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

```
.background{ background-color: rgb(154,  
170, 157) }
```

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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