

Converting Colors

XYZ(33.5042, 38.1947, 37.0159)

Have a look what the booklet for
XYZ(33.5042, 38.1947, 37.0159)
contains.

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Color

**XYZ(33.5126, 38.2015,
37.0598)**

Conversions

Conversions Part 1

Format	Color
Hex	98AB9C
RGB	152, 171, 156
RGB Percent	60%, 67%, 61%
CMY	0.4039, 0.3294, 0.3882
CMYK	0.11, 0.00, 0.09, 0.33
HSL	133°, 10%, 63%
HSV	133°, 11%, 67%
XYZ	33.5126, 38.2015, 37.0598
YIQ	163.6090, -6.5090, -8.6930

Conversions

Conversions Part 2

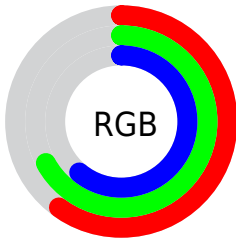
Format	Color
RYB	152, 168, 171
Decimal	10005404
CIELab	68.17, -9.56, 5.48
CIELCh	68, 11.023, 150.198
Yxy	38.2015, 0.3081, 0.3512
Android (android.graphics.Color)	4288195484 (0xFF98AB9C)
YUV	163.6090, -3.7512, -10.1811
Hunter-Lab	61.8074, -11.3783, 7.7148

Details

The XYZ color **33.5126, 38.2015, 37.0598** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9993, 33.9055, 41.2609**, and the grayscale version is **35.1212, 36.9502, 40.2388**.

A 20% lighter version of the original color is **64.2828, 72.1677, 71.5145**, and **14.5135, 16.9803, 15.8772** is the 20% darker color. If you saturate the color by 10%, you get **29.4595, 36.2380, 31.2305**, and if you desaturate by 10%, it is **38.1564, 40.4570, 43.5817**.

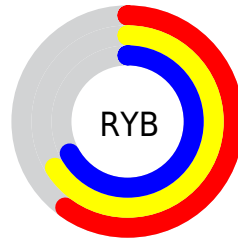
Distribution



Red (60%)

Green (67%)

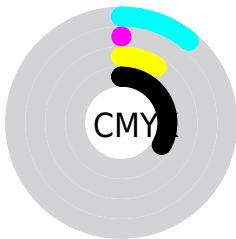
Blue (61%)



Red (60%)

Yellow (66%)

Blue (67%)

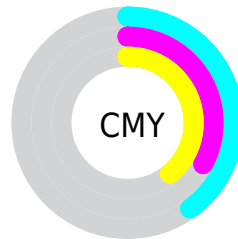


Cyan (11%)

Magenta (0%)

Yellow (9%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5126, 38.2015, 37.0598 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 33.5126, 38.2015, 37.0598 by changing the saturation by 10% instead.

■ 33.5126, 38.2015,
37.0598

■ 33.5126, 38.2015,
37.0598

309.5776,
338.4836, 348.7458

■ 22.6805, 26.1391,
24.9576

■ 64.5243, 72.4169,
71.8521

■ 14.4772, 16.9277,
15.8268

■ 85.4347, 95.3387,
95.3793

■ 8.5372, 10.1830,
9.2486

110.4352,
122.6490, 123.5520

■ 4.4953, 5.5205,
4.8047

139.8913,
154.7324, 156.7886

■ 1.9860, 2.5557,
2.0764

174.1682,
191.9731, 195.5078

■ 0.6261, 0.9045,
0.6017

213.6313,

■ 0.0000, 0.0000,

234.7556, 240.1280

0.0000

258.6460,
283.4643, 291.0679

■ 33.5126, 38.2015,
37.0598

■ 33.5126, 38.2015,
37.0598

■ 29.4595, 36.2380,
31.2305

■ 38.1564, 40.4570,
43.5817

■ 25.9702, 34.5498,
26.0687

■ 43.4101, 43.0107,
50.8154

■ 23.0202, 33.1260,
21.5511

■ 49.2960, 45.8748,
58.7824

■ 20.5822, 31.9529,
17.6525

■ 55.8344, 49.0592,
67.5027

■ 18.6263, 31.0158,
14.3457

■ 63.0446, 52.5736,
76.9952

■ 17.1194, 30.2981,
11.6017

■ 70.9451, 56.4270,
87.2784

■ 16.0243, 29.7814,
9.3889

■ 73.1387, 57.3213,
98.0699

■ 15.2972, 29.4438,
7.6726

■ 73.8536, 57.6072,
101.8345

■ 14.8820, 29.2546,
6.5309

Harmonies

Analogous

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



34.6700, 38.2015, 33.9290



33.5126, 38.2015, 37.0598



33.0994, 38.2015, 41.6277

Triad

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



33.5126, 38.2015, 37.0598



36.3208, 38.2015, 51.8113



39.2455, 38.2015, 37.0073

Complementary

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



33.5126, 38.2015, 37.0598



34.9993, 33.9055, 41.2609

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.



39.7205, 38.2015, 41.5622



33.5126, 38.2015, 37.0598



37.9996, 38.2015, 50.3365

Square

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



33.5126, 38.2015, 37.0598



34.6892, 38.2015, 50.3737



39.2576, 38.2015, 46.4857



37.9792, 38.2015, 33.9004

Rectangle

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



33.5126, 38.2015, 37.0598



33.2911, 38.2015, 44.9540



39.2576, 38.2015, 46.4857



39.5048, 38.2015, 38.4075

Sweetspot

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



33.5137, 38.2031, 37.0606



66.6347, 71.6282, 75.6837



36.2106, 39.6319, 35.4477



14.7075, 15.8994, 16.6650



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.



33.5137, 38.2031, 37.0606



58.3943, 67.6289, 64.0576



34.3320, 38.5304, 41.3697



7.9709, 8.9659, 8.8718



11.2345, 22.0591, 5.0087



0.3319, 0.6214, 0.2412

Inverse Universe

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



34.9993, 33.9055, 41.2609



61.5165, 58.5965, 72.8843



34.1698, 33.5737, 36.8929



8.2638, 8.1188, 9.6999



15.9773, 7.8535, 18.0580



0.4624, 0.2256, 0.5966

Previews

White Background



This preview shows how the XYZ color 33.5126, 38.2015, 37.0598 looks on a white background.

Color Contrast Check

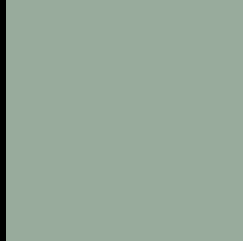
Large Text (above 18pt) WCAG AA × Fail

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 33.5126, 38.2015, 37.0598 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 33.5126, 38.2015, 37.0598

Background



This preview shows how black text looks on a background with the XYZ color 33.5126, 38.2015, 37.0598.



This preview shows how white text looks on a background with the XYZ color 33.5126, 38.2015,

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

33.5126, 38.2015, 37.0598

Protanopia

36.2182, 37.9808, 35.5591

Deuteranopia

38.7499, 37.9245, 37.6256



Tritanopia

35.8695, 38.0415, 49.1683

Trichromacy



Original Color

33.5126, 38.2015, 37.0598

Protanomaly

35.1685, 37.9699, 36.0472

Deuteranomaly

36.5948, 37.8695, 37.2791

Tritanomaly

34.9666, 37.9524, 44.5123

Monochromacy



Original Color

33.5126, 38.2015, 37.0598

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7489, 37.6842, 39.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5126, 38.2015, 37.0598 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, 171, 156)` looks like.

```
.text, #text, p{  
    color:rgb(152, 171, 156)  
}
```

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, 171, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 171, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.5126, 38.2015, 37.0598 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, 171, 156) }
```


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

```
.border{ border-color:rgb(152, 171, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 171, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 171, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 171, 156);  
box-shadow:4px 4px 4px 4px rgb(152, 171,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5126, 38.2015, 37.0598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 171, 156) }
```

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

```
.background{ background-color: rgb(152,  
171, 156) }
```

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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