

Converting Colors

XYZ(33.0519, 36.9837, 38.4282)

Have a look what the booklet for
XYZ(33.0519, 36.9837, 38.4282)
contains.

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Color

**XYZ(33.1103, 37.1226,
38.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	97A8A0
RGB	151, 168, 160
RGB Percent	59%, 66%, 63%
CMY	0.4078, 0.3412, 0.3725
CMYK	0.10, 0.00, 0.05, 0.34
HSL	152°, 9%, 63%
HSV	152°, 10%, 66%
XYZ	33.1103, 37.1226, 38.6780
YIQ	162.0050, -7.5640, -6.0920

Conversions

Conversions Part 2

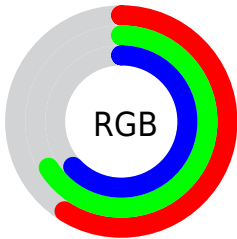
Format	Color
RYB	151, 162, 168
Decimal	9939104
CIELab	67.37, -7.54, 2.10
CIElCh	67, 7.822, 164.460
Yxy	37.1226, 0.3040, 0.3409
Android (android.graphics.Color)	4288129184 (0xFF97A8A0)
YUV	162.0050, -0.9885, -9.6514
Hunter-Lab	60.9283, -9.6222, 5.0118

Details

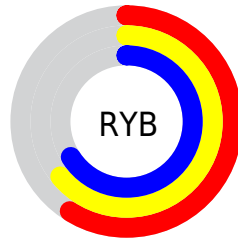
The XYZ color **33.1103, 37.1226, 38.6780** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4744, 32.9622, 37.4007**, and the grayscale version is **34.3529, 36.1419, 39.3585**.

A 20% lighter version of the original color is **63.8303, 70.6608, 74.5647**, and **14.2612, 16.3042, 16.8634** is the 20% darker color. If you saturate the color by 10%, you get **29.5421, 35.3616, 35.0145**, and if you desaturate by 10%, it is **37.1690, 39.1335, 42.5957**.

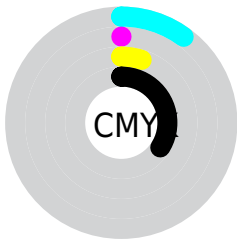
Distribution



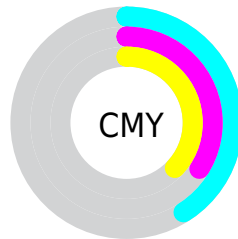
- Red (59%)
- Green (66%)
- Blue (63%)



- Red (59%)
- Yellow (64%)
- Blue (66%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)



- Cyan (41%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1103, 37.1226, 38.6780 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 33.1103, 37.1226, 38.6780 by changing the saturation by 10% instead.

■ 33.1103, 37.1226,
38.6780

■ 33.1103, 37.1226,
38.6780

307.8027,
333.8410, 355.9045

■ 22.3706, 25.3024,
26.2034

■ 63.9012, 70.7613,
74.3611

■ 14.2476, 16.3025,
16.7488

■ 84.6832, 93.3486,
98.4066

■ 8.3759, 9.7385,
9.8955

109.5432,
120.2938, 127.1463

■ 4.3902, 5.2259,
5.2250

138.8467,
151.9812, 160.9985

■ 1.9252, 2.3804,
2.3188

172.9591,
188.7952, 200.3820

■ 0.5914, 0.8158,
0.7417

212.2456,

■ 0.0000, 0.0000,

231.1203, 245.7151

0.0000

257.0717,
279.3407, 297.4164

■ 33.1103, 37.1226,
38.6780

■ 33.1103, 37.1226,
38.6780

■ 29.5421, 35.3616,
35.0145

■ 37.1690, 39.1335,
42.5957

■ 26.4417, 33.8357,
31.5977

■ 41.7333, 41.3988,
46.7701

■ 23.7893, 32.5358,
28.4229

■ 46.8218, 43.9291,
51.2069

■ 21.5624, 31.4505,
25.4847

■ 52.4510, 46.7328,
55.9108

■ 19.7364, 30.5673,
22.7773

■ 58.6367, 49.8179,
60.8863

■ 18.2843, 29.8721,
20.2946

■ 65.3941, 53.1922,
66.1379

■ 17.1752, 29.3493,
18.0302

■ 67.5545, 54.1911,
71.4274

■ 16.3730, 28.9804,
15.9772

■ 68.5977, 54.6084,
76.9211

■ 15.8035, 28.7267,
14.1477

■ 69.6908, 55.0456,
82.6772

Harmonies

Analogous

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



33.6946, 37.1226, 35.8910



33.1103, 37.1226, 38.6780



33.0995, 37.1226, 42.0904

Triad

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



33.1103, 37.1226, 38.6780



35.8624, 37.1226, 47.1525



36.9541, 37.1226, 35.9723

Complementary

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



33.1103, 37.1226, 38.6780



33.4744, 32.9622, 37.4007

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.



37.5624, 37.1226, 38.7948



33.1103, 37.1226, 38.6780



36.9224, 37.1226, 45.3152

Square

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



33.1103, 37.1226, 38.6780



34.6702, 37.1226, 47.1168



37.5506, 37.1226, 42.2139



35.9048, 37.1226, 34.3902

Rectangle

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



33.1103, 37.1226, 38.6780



33.4181, 37.1226, 44.2701



37.5506, 37.1226, 42.2139



37.2180, 37.1226, 36.8002

Sweetspot

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



33.1113, 37.1242, 38.6788



65.1906, 69.8926, 75.1585



33.9309, 37.6344, 34.7546



14.0798, 15.1697, 16.2580



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.



33.1113, 37.1242, 38.6788



58.6501, 66.6559, 68.7510



33.7820, 37.3088, 42.4684



7.5964, 8.4716, 8.8610



11.9597, 21.7027, 10.8208



0.3165, 0.5382, 0.3977

Inverse Universe

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



33.4744, 32.9622, 37.4007



59.4344, 57.6652, 65.9900



32.8478, 32.7846, 33.8756



7.6726, 7.5989, 8.5929



13.2879, 6.7239, 6.3278



0.3493, 0.1740, 0.2909

Previews

White Background



This preview shows how the XYZ color 33.1103, 37.1226, 38.6780 looks on a white background.

Color Contrast Check

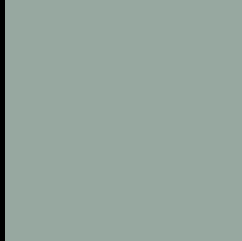
Large Text (above 18pt) WCAG AA × Fail

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 33.1103, 37.1226, 38.6780 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

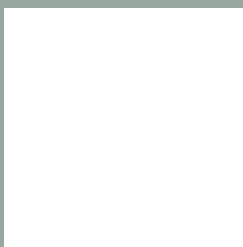
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1103, 37.1226, 38.6780

Background



This preview shows how black text looks on a background with the XYZ color 33.1103, 37.1226, 38.6780.



This preview shows how white text looks on a background with the XYZ color 33.1103, 37.1226,

38.6780.

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

33.1103, 37.1226, 38.6780

Protanopia

35.3314, 36.9535, 37.1689

Deuteranopia

37.5708, 36.7657, 39.2987



Tritanopia

34.8174, 36.9946, 47.4251

Trichromacy



Original Color

33.1103, 37.1226, 38.6780

Protanomaly

34.5270, 37.0603, 37.6813

Deuteranomaly

35.7155, 36.8489, 38.9483

Tritanomaly

34.1238, 36.9850, 43.8684

Monochromacy



Original Color

33.1103, 37.1226, 38.6780

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.8090, 36.3932, 38.9609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1103, 37.1226, 38.6780 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(151, 168, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 168, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.1103, 37.1226, 38.6780 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, 160) }
```


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

```
.border{ border-color:rgb(151, 168, 160) }
```

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, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 168, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 168, 160);  
box-shadow:4px 4px 4px 4px rgb(151, 168,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1103, 37.1226, 38.6780 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, 160) }
```

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

```
.background{ background-color: rgb(151,  
168, 160) }
```

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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