

Converting Colors

XYZ(33.0390, 37.0101, 42.1075)

Have a look what the booklet for
XYZ(33.0390, 37.0101, 42.1075)
contains.

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Color

**XYZ(33.0103, 36.9983,
41.9608)**

Conversions

Conversions Part 1

Format	Color
Hex	93A8A7
RGB	147, 168, 167
RGB Percent	58%, 66%, 65%
CMY	0.4235, 0.3412, 0.3451
CMYK	0.13, 0.00, 0.01, 0.34
HSL	177°, 11%, 62%
HSV	177°, 13%, 66%
XYZ	33.0103, 36.9983, 41.9608
YIQ	161.6070, -12.1950, -4.7630

Conversions

Conversions Part 2

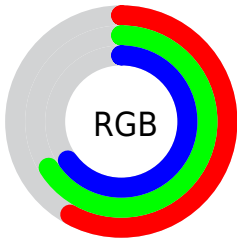
Format	Color
RYB	147, 158, 168
Decimal	9676967
CIELab	67.28, -7.49, -1.96
CIElCh	67, 7.742, 194.696
Yxy	36.9983, 0.2948, 0.3304
Android (android.graphics.Color)	4287867047 (0xFF93A8A7)
YUV	161.6070, 2.6587, -12.8103
Hunter-Lab	60.8262, -9.5742, 1.6773

Details

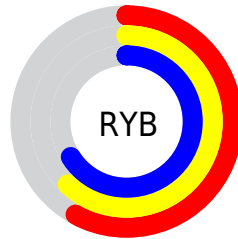
The XYZ color **33.0103, 36.9983, 41.9608** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9288, 31.3314, 32.3833**, and the grayscale version is **34.1518, 35.9304, 39.1282**.

A 20% lighter version of the original color is **63.6599, 70.4668, 79.3535**, and **14.1638, 16.2154, 18.6030** is the 20% darker color. If you saturate the color by 10%, you get **30.1414, 35.5288, 41.4415**, and if you desaturate by 10%, it is **36.3218, 38.6979, 42.5047**.

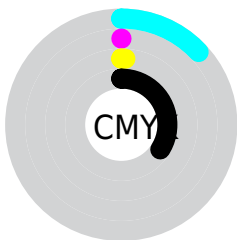
Distribution



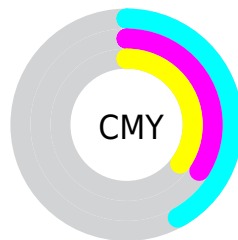
- Red (58%)
- Green (66%)
- Blue (65%)



- Red (58%)
- Yellow (62%)
- Blue (66%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)



- Cyan (42%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0103, 36.9983, 41.9608 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 33.0103, 36.9983, 41.9608 by changing the saturation by 10% instead.

■ 33.0103, 36.9983,
41.9608

■ 33.0103, 36.9983,
41.9608

307.3603,
333.3032, 370.1153

■ 22.2936, 25.2062,
28.7453

■ 63.7462, 70.5702,
79.4097

■ 14.1906, 16.2307,
18.6443

■ 84.4961, 93.1187,
104.4802

■ 8.3359, 9.6876,
11.2393

109.3211,
120.0215, 134.3394

■ 4.3643, 5.1923,
6.1119

138.5866,
151.6629, 169.4059

■ 1.9102, 2.3605,
2.8433

172.6579,
188.4274, 210.0982

■ 0.5828, 0.8055,
1.0152

211.9004,

■ 0.0000, 0.0000,

230.6994, 256.8348

0.0000

256.6794,
278.8632, 310.0343

■ 33.0103, 36.9983,
41.9608

■ 33.0103, 36.9983,
41.9608

■ 30.1414, 35.5288,
41.4415

■ 36.3218, 38.6979,
42.5047

■ 27.6928, 34.2751,
40.9435

■ 40.0906, 40.6321,
43.0717

■ 25.6454, 33.2280,
40.4667

■ 44.3345, 42.8112,
43.6633

■ 23.9770, 32.3763,
40.0100

■ 49.0696, 45.2435,
44.2803

■ 22.6633, 31.7074,
39.5723

■ 54.3110, 47.9367,
44.9234

■ 21.6775, 31.2075,
39.1523

■ 60.0735, 50.8985,
45.5934

■ 20.9887, 30.8606,
38.7486

■ 62.7488, 52.2688,
46.1212

■ 20.5601, 30.6478,
38.3595

■ 62.8264, 52.2998,
46.5300

■ 20.3472, 30.5441,
38.0742

■ 62.9045, 52.3311,
46.9412

Harmonies

Analogous

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



33.0163, 36.9983, 38.5891



33.0103, 36.9983, 41.9608



33.5729, 36.9983, 45.0445

Triad

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



33.0103, 36.9983, 41.9608



36.7906, 36.9983, 45.0973



35.7698, 36.9983, 34.3203

Complementary

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



33.0103, 36.9983, 41.9608



31.9288, 31.3314, 32.3833

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.



36.8083, 36.9983, 35.8729



33.0103, 36.9983, 41.9608



37.4066, 36.9983, 42.0296

Square

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



33.0103, 36.9983, 41.9608



35.7462, 36.9983, 46.9231



37.4131, 36.9983, 38.6541



34.5917, 36.9983, 34.3042

Rectangle

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



33.0103, 36.9983, 41.9608



34.2021, 36.9983, 46.4683



37.4131, 36.9983, 38.6541



36.1474, 36.9983, 34.6758

Sweetspot

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



33.0114, 36.9998, 41.9616



64.9094, 69.7072, 76.9697



31.4920, 36.4139, 32.9732



14.0479, 15.1421, 16.7602



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.



33.0114, 36.9998, 41.9616



58.3777, 66.3575, 75.8760



31.4225, 33.6732, 41.8910



7.7319, 8.5258, 9.5741



15.3701, 23.0668, 28.7797



0.3785, 0.5630, 0.7241

Inverse Universe

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



31.9288, 31.3314, 32.3833



56.0225, 54.0251, 55.0380



33.3803, 34.3609, 32.4774



7.5451, 7.5479, 7.9216



12.2333, 6.3020, 0.7743



0.3020, 0.1551, 0.0420

Previews

White Background



This preview shows how the XYZ color 33.0103, 36.9983, 41.9608 looks on a white background.

Color Contrast Check

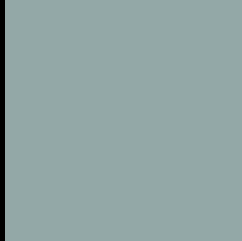
Large Text (above 18pt) WCAG AA × Fail

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 33.0103, 36.9983, 41.9608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

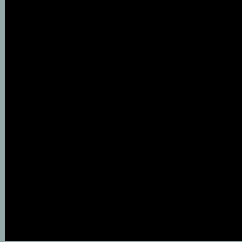
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

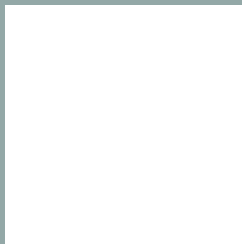
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0103, 36.9983, 41.9608

Background



This preview shows how black text looks on a background with the XYZ color 33.0103, 36.9983, 41.9608.



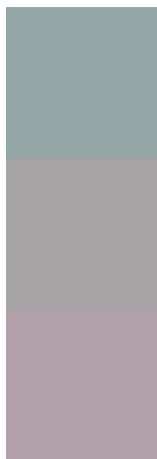
This preview shows how white text looks on a background with the XYZ color 33.0103, 36.9983,

41.9608.

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

33.0103, 36.9983, 41.9608

Protanopia

35.5239, 36.9817, 40.3878

Deuteranopia

37.6910, 37.0080, 42.6928



Tritanopia

34.1673, 36.9167, 47.9726

Trichromacy



Original Color

33.0103, 36.9983, 41.9608

Protanomaly

34.5447, 36.9978, 40.9179

Deuteranomaly

35.7141, 36.7748, 42.2617

Tritanomaly

33.7693, 37.0285, 45.9248

Monochromacy



Original Color

33.0103, 36.9983, 41.9608

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.8809, 36.3994, 40.3620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0103, 36.9983, 41.9608 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(147, 168, 167) looks like.

```
.text, #text, p{  
    color:rgb(147, 168, 167)  
}
```

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(147, 168, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 168, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.0103, 36.9983, 41.9608 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(147, 168, 167) }
```


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

```
.border{ border-color:rgb(147, 168, 167) }
```

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

Here you see how a box with a 4 pixel rgb(147, 168, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 168, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 168, 167);  
box-shadow:4px 4px 4px 4px rgb(147, 168,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0103, 36.9983, 41.9608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 168, 167) }
```

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

```
.background{ background-color: rgb(147,  
168, 167) }
```

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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