

Converting Colors

XYZ(33.1405, 36.8752, 41.7000)

Have a look what the booklet for
XYZ(33.1405, 36.8752, 41.7000)
contains.

XYZ(33.1882, 36.8170, 41.9164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.1882, 36.8170,
41.9164)**

Conversions

Conversions Part 1

Format	Color
Hex	95A7A7
RGB	149, 167, 167
RGB Percent	58%, 65%, 65%
CMY	0.4157, 0.3451, 0.3451
CMYK	0.11, 0.00, 0.00, 0.35
HSL	180°, 9%, 62%
HSV	180°, 11%, 65%
XYZ	33.1882, 36.8170, 41.9164
YIQ	161.6180, -10.7280, -3.8160

Conversions

Conversions Part 2

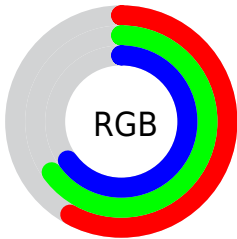
Format	Color
RYB	149, 158, 167
Decimal	9807783
CIELab	67.14, -6.27, -2.15
CIElCh	67, 6.629, 198.903
Yxy	36.8170, 0.2965, 0.3290
Android (android.graphics.Color)	4287997863 (0xFF95A7A7)
YUV	161.6180, 2.6533, -11.0660
Hunter-Lab	60.6770, -8.5515, 1.5157

Details

The XYZ color **33.1882, 36.8170, 41.9164** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1100, 31.8813, 32.8968**, and the grayscale version is **34.1565, 35.9353, 39.1335**.

A 20% lighter version of the original color is **63.9347, 70.2130, 79.2900**, and **14.2622, 16.0959, 18.5748** is the 20% darker color. If you saturate the color by 10%, you get **30.3572, 35.3586, 41.7836**, and if you desaturate by 10%, it is **36.4582, 38.5037, 42.0713**.

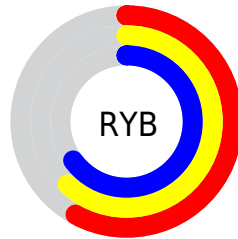
Distribution



Red (58%)

Green (65%)

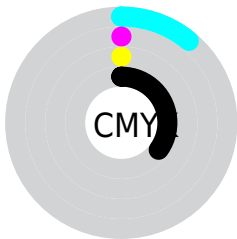
Blue (65%)



Red (58%)

Yellow (62%)

Blue (65%)

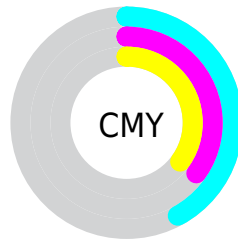


Cyan (11%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (42%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1882, 36.8170, 41.9164 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 33.1882, 36.8170, 41.9164 by changing the saturation by 10% instead.

■ 33.1882, 36.8170,
41.9164

■ 33.1882, 36.8170,
41.9164

308.1469,
332.5176, 369.9257

■ 22.4306, 25.0658,
28.7108

■ 64.0220, 70.2912,
79.3418

■ 14.2920, 16.1261,
18.6184

■ 84.8288, 92.7831,
104.3987

■ 8.4071, 9.6134,
11.2209

109.7161,
119.6240, 134.2430

■ 4.4105, 5.1434,
6.0996

139.0492,
151.1983, 169.2933

■ 1.9369, 2.3317,
2.8359

173.1935,
187.8904, 209.9682

■ 0.5981, 0.7904,
1.0115

212.5143,

■ 0.0000, 0.0000,

230.0847, 256.6862

0.0000

257.3770,
278.1656, 309.8659

■ 33.1882, 36.8170,
41.9164

■ 33.1882, 36.8170,
41.9164

■ 30.3572, 35.3586,
41.7836

■ 36.4582, 38.5037,
42.0713

■ 27.9436, 34.1144,
41.6695

■ 40.1815, 40.4231,
42.2467

■ 25.9286, 33.0756,
41.5741

■ 44.3756, 42.5852,
42.4440

■ 24.2908, 32.2313,
41.4964

■ 49.0561, 44.9981,
42.6642

■ 23.0067, 31.5694,
41.4352

■ 54.2380, 47.6694,
42.9078

■ 22.0502, 31.0763,
41.3893

■ 59.9354, 50.6065,
43.1755

■ 21.3918, 30.7369,
41.3574

■ 62.0360, 51.6894,
43.2749

■ 20.9964, 30.5331,
41.3378

■ 62.0362, 51.6895,
43.2761

■ 20.7927, 30.4281,
41.3272

■ 62.0364, 51.6896,
43.2772

Harmonies

Analogous

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



33.1222, 36.8170, 39.0265



33.1882, 36.8170, 41.9164



33.7324, 36.8170, 44.4265

Triad

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



33.1882, 36.8170, 41.9164



36.4774, 36.8170, 43.8555



35.3685, 36.8170, 34.8737

Complementary

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



33.1882, 36.8170, 41.9164



32.1100, 31.8813, 32.8968

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.



36.2855, 36.8170, 36.0406



33.1882, 36.8170, 41.9164



36.9339, 36.8170, 41.1674

Square

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



33.1882, 36.8170, 41.9164



35.6264, 36.8170, 45.5827



36.8630, 36.8170, 38.3125



34.3681, 36.8170, 35.0526

Rectangle

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



33.1882, 36.8170, 41.9164



34.2991, 36.8170, 45.5034



36.8630, 36.8170, 38.3125



35.6971, 36.8170, 35.1193

Sweetspot

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



33.1893, 36.8185, 41.9172



63.8891, 68.2316, 75.2774



31.6939, 36.2267, 33.7564



14.1904, 15.2139, 16.8406



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.



33.1893, 36.8185, 41.9172



58.1202, 65.2577, 75.0054



31.6486, 33.7370, 41.4048



7.7475, 8.5321, 9.6566



15.9100, 23.2828, 31.6226



0.3871, 0.5665, 0.7695

Inverse Universe

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



32.1100, 31.8813, 32.8968



55.7862, 54.5807, 55.4982



33.5382, 34.7382, 33.3719



7.5312, 7.5423, 7.8484



12.1948, 6.2866, 0.5713



0.2967, 0.1530, 0.0140

Previews

White Background



This preview shows how the XYZ color 33.1882, 36.8170, 41.9164 looks on a white background.

Color Contrast Check

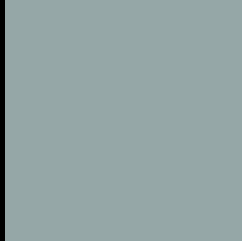
Large Text (above 18pt) WCAG AA × Fail

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 33.1882, 36.8170, 41.9164 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

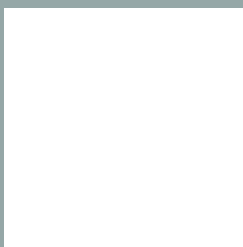
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1882, 36.8170, 41.9164

Background



This preview shows how black text looks on a background with the XYZ color 33.1882, 36.8170, 41.9164.

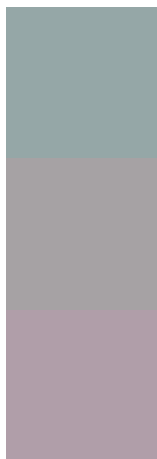


This preview shows how white text looks on a background with the XYZ color 33.1882, 36.8170,

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

33.1882, 36.8170, 41.9164

Protanopia

35.3471, 36.6280, 40.3289

Deuteranopia

37.2928, 36.5484, 42.6251



Tritanopia

34.2535, 36.7039, 47.3987

Trichromacy



Original Color

33.1882, 36.8170, 41.9164

Protanomaly

34.5642, 36.7411, 40.8673

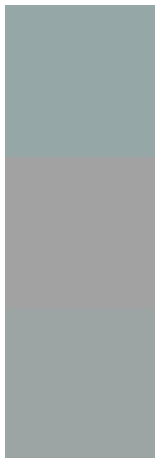
Deuteranomaly

35.5386, 36.4239, 42.2032

Tritanomaly

33.8539, 36.8125, 45.3656

Monochromacy



Original Color

33.1882, 36.8170, 41.9164

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 33.1882, 36.8170, 41.9164 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(149, 167, 167) looks like.

```
.text, #text, p{  
    color:rgb(149, 167, 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(149, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 167, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.1882, 36.8170, 41.9164 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(149, 167, 167) }
```


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

```
.border{ border-color:rgb(149, 167, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 167, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 167, 167);  
box-shadow:4px 4px 4px 4px rgb(149, 167,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1882, 36.8170, 41.9164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 167, 167) }
```

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

```
.background{ background-color: rgb(149,  
167, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor