

Converting Colors

XYZ(33.6412, 37.3420, 41.2655)

Have a look what the booklet for
XYZ(33.6412, 37.3420, 41.2655)
contains.

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Color

**XYZ(33.5567, 37.3012,
41.0285)**

Conversions

Conversions Part 1

Format	Color
Hex	97A8A5
RGB	151, 168, 165
RGB Percent	59%, 66%, 65%
CMY	0.4078, 0.3412, 0.3529
CMYK	0.10, 0.00, 0.02, 0.34
HSL	169°, 9%, 63%
HSV	169°, 10%, 66%
XYZ	33.5567, 37.3012, 41.0285
YIQ	162.5750, -9.1690, -4.5370

Conversions

Conversions Part 2

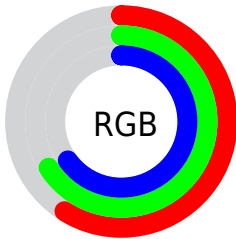
Format	Color
RYB	151, 160, 168
Decimal	9939109
CIELab	67.50, -6.54, -0.49
CIElCh	68, 6.555, 184.263
Yxy	37.3012, 0.2999, 0.3334
Android (android.graphics.Color)	4288129189 (0xFF97A8A5)
YUV	162.5750, 1.1955, -10.1513
Hunter-Lab	61.0747, -8.8062, 2.9227

Details

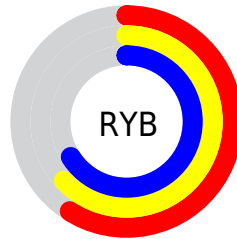
The XYZ color **33.5567, 37.3012, 41.0285** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0492, 32.7922, 35.1614**, and the grayscale version is **34.6110, 36.4135, 39.6543**.

A 20% lighter version of the original color is **64.4828, 70.9218, 78.0008**, and **14.4816, 16.3924, 18.0236** is the 20% darker color. If you saturate the color by 10%, you get **30.3916, 35.7014, 39.4876**, and if you desaturate by 10%, it is **37.1746, 39.1357, 42.6249**.

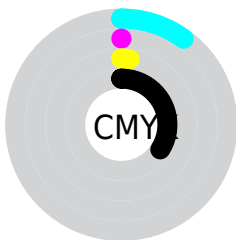
Distribution



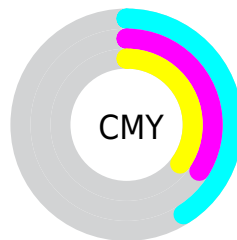
- Red (59%)
- Green (66%)
- Blue (65%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (34%)



- Cyan (41%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5567, 37.3012, 41.0285 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 33.5567, 37.3012, 41.0285 by changing the saturation by 10% instead.

■ 33.5567, 37.3012,
41.0285

■ 33.5567, 37.3012,
41.0285

309.7717,
334.6127, 366.1199

■ 22.7145, 25.4408,
28.0215

■ 64.5926, 71.0358,
77.9813

■ 14.5024, 16.4058,
18.1027

■ 85.5170, 93.6788,
102.7642

■ 8.5549, 9.8117,
10.8535

110.5329,
120.6847, 132.3094

■ 4.5068, 5.2743,
5.8555

140.0056,
152.4380, 167.0355

■ 1.9927, 2.4091,
2.6900

174.3005,
189.3230, 207.3611

■ 0.6298, 0.8306,
0.9384

213.7829,

■ 0.0000, 0.0000,

231.7243, 253.7046

0.0000

258.8181,
280.0260, 306.4847

■ 33.5567, 37.3012,
41.0285

■ 33.5567, 37.3012,
41.0285

■ 30.3916, 35.7014,
39.4876

■ 37.1746, 39.1357,
42.6249

■ 27.6573, 34.3219,
37.9986

■ 41.2596, 41.2094,
44.2752

■ 25.3348, 33.1540,
36.5611

■ 45.8296, 43.5322,
45.9815

■ 23.4024, 32.1866,
35.1739

■ 50.9003, 46.1125,
47.7445

■ 21.8365, 31.4073,
33.8357

■ 56.4870, 48.9580,
49.5652

■ 20.6107, 30.8027,
32.5450

■ 62.6040, 52.0762,
51.4445

■ 19.6952, 30.3573,
31.3002

■ 64.0818, 52.8020,
53.1406

■ 19.0549, 30.0531,
30.0994

■ 64.4001, 52.9294,
54.8167

■ 18.6150, 29.8513,
28.9525

■ 64.7250, 53.0593,
56.5275

Harmonies

Analogous

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



33.7371, 37.3012, 38.2528



33.5567, 37.3012, 41.0285



33.8766, 37.3012, 43.8189

Triad

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



33.5567, 37.3012, 41.0285



36.5555, 37.3012, 45.3746



36.3015, 37.3012, 35.8192

Complementary

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



33.5567, 37.3012, 41.0285



33.0492, 32.7922, 35.1614

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.



37.0789, 37.3012, 37.5705



33.5567, 37.3012, 41.0285



37.2275, 37.3012, 43.0718

Square

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



33.5567, 37.3012, 41.0285



35.5979, 37.3012, 46.4024



37.4208, 37.3012, 40.2036



35.3099, 37.3012, 35.3294

Rectangle

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



33.5567, 37.3012, 41.0285



34.3342, 37.3012, 45.2865



37.4208, 37.3012, 40.2036



36.5972, 37.3012, 36.2757

Sweetspot

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



33.5578, 37.3028, 41.0293



65.4425, 69.9934, 76.4854



32.9384, 37.1227, 34.7082



14.1486, 15.1972, 16.6205



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.



33.5578, 37.3028, 41.0293



59.6192, 67.0435, 73.8546



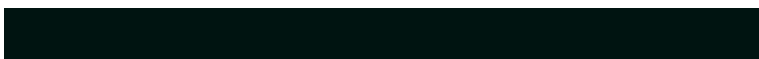
32.8608, 35.4663, 42.1614



7.6898, 8.5090, 9.3528



14.0735, 22.5482, 21.9516



0.3569, 0.5544, 0.6102

Inverse Universe

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



33.0492, 32.7922, 35.1614



58.5208, 57.2997, 61.1791



33.6886, 34.4662, 34.1559



7.5832, 7.5631, 8.1223



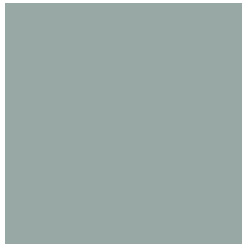
12.3825, 6.3617, 1.5596



0.3164, 0.1608, 0.1178

Previews

White Background



This preview shows how the XYZ color 33.5567, 37.3012, 41.0285 looks on a white background.

Color Contrast Check

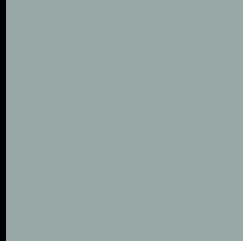
Large Text (above 18pt) WCAG AA × Fail

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 33.5567, 37.3012, 41.0285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

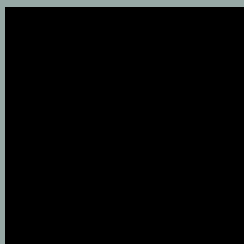
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

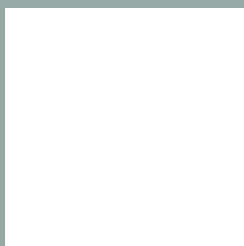
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5567, 37.3012, 41.0285

Background



This preview shows how black text looks on a background with the XYZ color 33.5567, 37.3012, 41.0285.

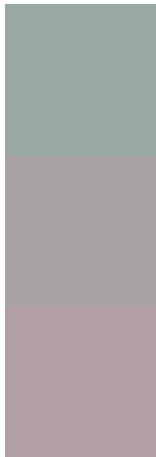


This preview shows how white text looks on a background with the XYZ color 33.5567, 37.3012,

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

33.5567, 37.3012, 41.0285

Protanopia

35.5551, 37.0185, 39.4537

Deuteranopia

37.9636, 37.1700, 41.7328



Tritanopia

34.9098, 37.2994, 48.0074

Trichromacy



Original Color

33.5567, 37.3012, 41.0285

Protanomaly

34.7639, 37.1317, 39.9852

Deuteranomaly

36.1655, 37.0289, 41.3176

Tritanomaly

34.4076, 37.3688, 45.4438

Monochromacy



Original Color

33.5567, 37.3012, 41.0285

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4540, 36.9615, 40.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5567, 37.3012, 41.0285 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(151, 168, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 168, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.5567, 37.3012, 41.0285 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, 165) }
```


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

```
.border{ border-color:rgb(151, 168, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 168, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 168, 165);  
box-shadow:4px 4px 4px 4px rgb(151, 168,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5567, 37.3012, 41.0285 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, 165) }
```

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

```
.background{ background-color: rgb(151,  
168, 165) }
```

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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