

Converting Colors

XYZ(33.5056, 37.0704, 39.8969)

Have a look what the booklet for
XYZ(33.5056, 37.0704, 39.8969)
contains.

XYZ(33.5664, 37.0541, 40.0333)	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(33.5664, 37.0541,
40.0333)**

Conversions

Conversions Part 1

Format	Color
Hex	99A7A3
RGB	153, 167, 163
RGB Percent	60%, 65%, 64%
CMY	0.4000, 0.3451, 0.3608
CMYK	0.08, 0.00, 0.02, 0.35
HSL	163°, 7%, 63%
HSV	163°, 8%, 65%
XYZ	33.5664, 37.0541, 40.0333
YIQ	162.3580, -7.0600, -4.2120

Conversions

Conversions Part 2

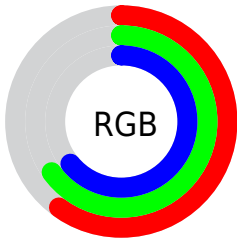
Format	Color
RYB	153, 161, 167
Decimal	10069923
CIELab	67.32, -5.71, 0.37
CIELCh	67, 5.719, 176.274
Yxy	37.0541, 0.3033, 0.3349
Android (android.graphics.Color)	4288260003 (0xFF99A7A3)
YUV	162.3580, 0.3165, -8.2070
Hunter-Lab	60.8721, -8.0967, 3.6176

Details

The XYZ color **33.5664, 37.0541, 40.0333** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4147, 33.4331, 36.5921**, and the grayscale version is **34.5123, 36.3096, 39.5412**.

A 20% lighter version of the original color is **64.5083, 70.5699, 76.5511**, and **14.4795, 16.2339, 17.4092** is the 20% darker color. If you saturate the color by 10%, you get **30.2128, 35.3748, 37.6860**, and if you desaturate by 10%, it is **37.3794, 38.9705, 42.4879**.

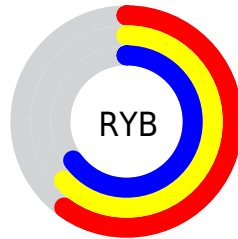
Distribution



Red (60%)

Green (65%)

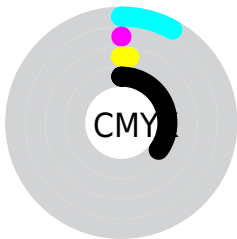
Blue (64%)



Red (60%)

Yellow (63%)

Blue (65%)

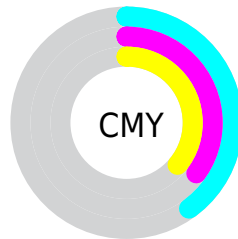


Cyan (8%)

Magenta (0%)

Yellow (2%)

Black (35%)



Cyan (40%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5664, 37.0541, 40.0333 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 33.5664, 37.0541, 40.0333 by changing the saturation by 10% instead.

■ 33.5664, 37.0541,
40.0333

■ 33.5664, 37.0541,
40.0333

309.8143,
333.5447, 361.8202

■ 22.7220, 25.2494,
27.2505

■ 64.6076, 70.6560,
76.4519

■ 14.5079, 16.2630,
17.5274

■ 85.5351, 93.2219,
100.9247

■ 8.5588, 9.7104,
10.4453

110.5544,
120.1438, 130.1314

■ 4.5094, 5.2074,
5.5857

140.0307,
151.8058, 164.4903

■ 1.9941, 2.3694,
2.5302

174.3296,
188.5926, 204.4202

■ 0.6307, 0.8101,
0.8561

213.8162,

■ 0.0000, 0.0000,

230.8884, 250.3394

0.0000

258.8560,
279.0776, 302.6665

■ 33.5664, 37.0541,
40.0333

■ 33.5664, 37.0541,
40.0333

■ 30.2128, 35.3748,
37.6860

■ 37.3794, 38.9705,
42.4879

■ 27.2971, 33.9183,
35.4418

■ 41.6661, 41.1281,
45.0492

■ 24.8007, 32.6762,
33.2997

■ 46.4439, 43.5370,
47.7195

■ 22.7024, 31.6375,
31.2578

■ 51.7284, 46.2051,
50.5005

■ 20.9791, 30.7903,
29.3139

■ 57.5346, 49.1403,
53.3938

■ 19.6051, 30.1216,
27.4660

■ 63.8766, 52.3498,
56.4008

■ 18.5518, 29.6163,
25.7116

■ 65.0710, 52.9035,
59.2565

■ 17.7854, 29.2572,
24.0482

■ 65.6247, 53.1250,
62.1725

■ 17.2455, 29.0132,
22.4719

■ 66.1959, 53.3535,
65.1805

Harmonies

Analogous

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



33.8379, 37.0541, 37.7289



33.5664, 37.0541, 40.0333



33.7316, 37.0541, 42.5164

Triad

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



33.5664, 37.0541, 40.0333



35.9689, 37.0541, 44.8224



36.1613, 37.0541, 36.4692

Complementary

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



33.5664, 37.0541, 40.0333



33.4147, 33.4331, 36.5921

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.



36.7491, 37.0541, 38.2500



33.5664, 37.0541, 40.0333



36.6368, 37.0541, 43.0806

Square

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



33.5664, 37.0541, 40.0333



35.1096, 37.0541, 45.3475



36.9246, 37.0541, 40.6596



35.3283, 37.0541, 35.7257

Rectangle

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



33.5664, 37.0541, 40.0333



34.0686, 37.0541, 43.9289



36.9246, 37.0541, 40.6596



36.3946, 37.0541, 36.9627

Sweetspot

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



33.5675, 37.0557, 40.0341



63.6491, 68.1356, 74.0135



33.5133, 37.1272, 35.5373



14.1229, 15.1869, 16.4852



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.



33.5675, 37.0557, 40.0341



58.9755, 65.7898, 70.9257



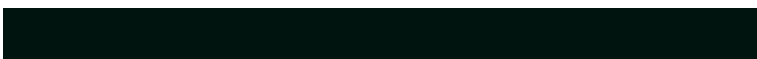
33.4244, 36.1863, 41.7841



7.6547, 8.4949, 9.1680



13.1561, 22.1812, 17.1208



0.3405, 0.5478, 0.5238

Inverse Universe

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



33.4147, 33.4331, 36.5921



58.6475, 58.0071, 63.5310



33.5422, 34.2262, 34.9759



7.6160, 7.5763, 8.2951



12.6176, 6.4557, 2.7978



0.3286, 0.1657, 0.1821

Previews

White Background



This preview shows how the XYZ color 33.5664, 37.0541, 40.0333 looks on a white background.

Color Contrast Check

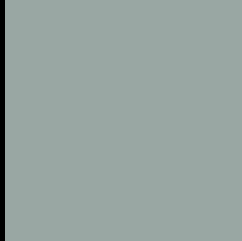
Large Text (above 18pt) WCAG AA × Fail

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 33.5664, 37.0541, 40.0333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

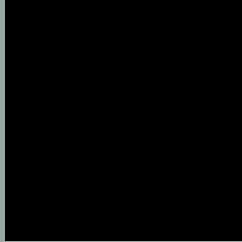
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

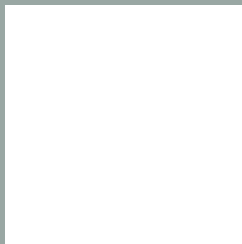
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5664, 37.0541, 40.0333

Background



This preview shows how black text looks on a background with the XYZ color 33.5664, 37.0541, 40.0333.

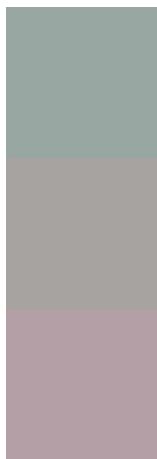


This preview shows how white text looks on a background with the XYZ color 33.5664, 37.0541,

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

33.5664, 37.0541, 40.0333

Protanopia

35.4666, 36.9831, 38.9874

Deuteranopia

37.7801, 37.0966, 40.7664



Tritanopia

35.0086, 37.0932, 47.4340

Trichromacy



Original Color

33.5664, 37.0541, 40.0333

Protanomaly

34.6973, 36.8409, 39.4647

Deuteranomaly

36.1987, 37.0670, 40.3687

Tritanomaly

34.5055, 37.1596, 44.8890

Monochromacy



Original Color

33.5664, 37.0541, 40.0333

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0951, 36.5305, 39.4365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5664, 37.0541, 40.0333 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(153, 167, 163)` looks like.

```
.text, #text, p{  
    color:rgb(153, 167, 163)  
}
```

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(153, 167, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 167, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.5664, 37.0541, 40.0333 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(153, 167, 163) }
```


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

```
.border{ border-color:rgb(153, 167, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 167, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 167, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 167, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 167,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5664, 37.0541, 40.0333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 167, 163) }
```

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

```
.background{ background-color: rgb(153,  
167, 163) }
```

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