

Converting Colors

XYZ(36.9950, 39.5065, 37.1997)

Have a look what the booklet for
XYZ(36.9950, 39.5065, 37.1997)
contains.

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Color

**XYZ(36.9833, 39.4342,
37.1148)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA99C
RGB	171, 169, 156
RGB Percent	67%, 66%, 61%
CMY	0.3294, 0.3372, 0.3882
CMYK	0.00, 0.01, 0.09, 0.33
HSL	52°, 8%, 64%
HSV	52°, 9%, 67%
XYZ	36.9833, 39.4342, 37.1148
YIQ	168.1160, 5.3650, -3.6190

Conversions

Conversions Part 2

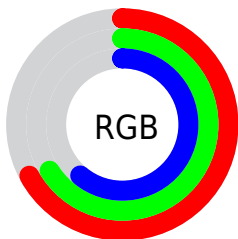
Format	Color
RYB	158, 171, 156
Decimal	11250076
CIELab	69.06, -1.63, 6.95
CIELCh	69, 7.142, 103.194
Yxy	39.4342, 0.3258, 0.3473
Android (android.graphics.Color)	4289440156 (0xFFABA99C)
YUV	168.1160, -5.9732, 2.5293
Hunter-Lab	62.7967, -4.7688, 8.9154

Details

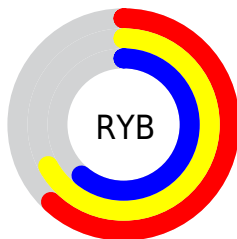
The XYZ color **36.9833, 39.4342, 37.1148** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2877, 34.4612, 43.4257**, and the grayscale version is **37.3039, 39.2466, 42.7395**.

A 20% lighter version of the original color is **69.6525, 74.1332, 71.6108**, and **16.5188, 17.6644, 15.9035** is the 20% darker color. If you saturate the color by 10%, you get **35.2168, 38.0573, 29.8779**, and if you desaturate by 10%, it is **38.9633, 40.9109, 45.4296**.

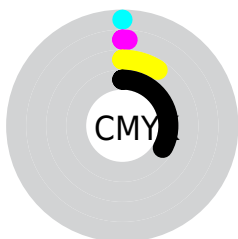
Distribution



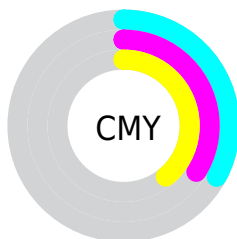
- Red (67%)
- Green (66%)
- Blue (61%)



- Red (62%)
- Yellow (67%)
- Blue (61%)



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (33%)



- Cyan (33%)
- Magenta (34%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9833, 39.4342, 37.1148 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 36.9833, 39.4342, 37.1148 by changing the saturation by 10% instead.

■ 36.9833, 39.4342,
37.1148

■ 36.9833, 39.4342,
37.1148

324.5950,
343.7330, 348.9909

■ 25.3682, 27.0977,
24.9999

■ 69.8611, 74.3012,
71.9376

■ 16.4818, 17.6466,
15.8580

■ 91.8545, 97.6004,
95.4826

■ 9.9587, 10.6966,
9.2704

118.0380,
125.3226, 123.6747

■ 5.4336, 5.8632,
4.8188

148.7770,
157.8523, 156.9325

■ 2.5412, 2.7621,
2.0845

184.4368,
195.5738, 195.6745

■ 0.9161, 1.0088,
0.6065

225.3829,

■ 0.0000, 0.0000,

238.8715, 240.3192

0.0000

271.9805,
288.1297, 291.2851

■ 36.9833, 39.4342,
37.1148

■ 36.9833, 39.4342,
37.1148

■ 35.2168, 38.0573,
29.8779

■ 38.9633, 40.9109,
45.4296

■ 33.6519, 36.7715,
23.6718

■ 41.1615, 42.4854,
54.8617

■ 32.2807, 35.5748,
18.4494

■ 43.5865, 44.1626,
65.4519

■ 31.0933, 34.4633,
14.1594

■ 46.2457, 45.9454,
77.2378

■ 30.0791, 33.4326,
10.7454

■ 49.1458, 47.8366,
90.2556

■ 29.2262, 32.4779,
8.1452

■ 51.7081, 49.6047,
101.4571

■ 28.5210, 31.5937,
6.2882

■ 52.1802, 50.5489,
101.6145

■ 27.9481, 30.7738,
5.0920

■ 52.6599, 51.5084,
101.7744

■ 27.4782, 30.0064,
4.4039

■ 53.1473, 52.4831,
101.9368

Harmonies

Analogous

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



38.1179, 39.4342, 37.2077



36.9833, 39.4342, 37.1148



36.0017, 39.4342, 38.5244

Triad

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



36.9833, 39.4342, 37.1148



35.9068, 39.4342, 47.3755



39.6171, 39.4342, 44.7765

Complementary

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



36.9833, 39.4342, 37.1148



33.2877, 34.4612, 43.4257

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.



39.0003, 39.4342, 47.6746



36.9833, 39.4342, 37.1148



36.8513, 39.4342, 49.2264

Square

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



36.9833, 39.4342, 37.1148



35.3887, 39.4342, 44.3849



37.9832, 39.4342, 49.3386



39.6542, 39.4342, 41.5212

Rectangle

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



36.9833, 39.4342, 37.1148



35.5599, 39.4342, 40.1699



37.9832, 39.4342, 49.3386



39.4702, 39.4342, 45.8286

Sweetspot

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



36.9844, 39.4359, 37.1156



68.2160, 72.1162, 74.7455



34.8551, 34.9040, 37.2484



15.1495, 16.0353, 16.4038



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9844, 39.4359, 37.1156



65.4354, 70.0133, 63.1571



36.1853, 39.5796, 37.1855



8.5704, 9.1456, 8.5269



20.7001, 22.6058, 3.2723



0.6005, 0.6782, 0.0993

Inverse Universe

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



33.2877, 34.4612, 43.4257



57.1232, 58.8275, 77.3460



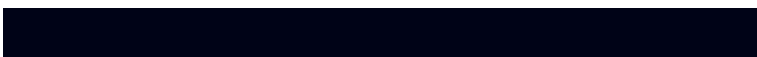
34.0386, 34.3469, 43.3640



7.6617, 7.9227, 10.0781



5.7919, 2.7177, 29.2638



0.1873, 0.1280, 0.8228

Previews

White Background



This preview shows how the XYZ color 36.9833, 39.4342, 37.1148 looks on a white background.

Color Contrast Check

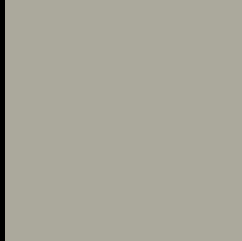
Large Text (above 18pt) WCAG AA × Fail

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 36.9833, 39.4342, 37.1148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

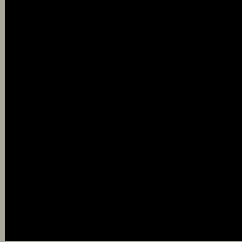
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9833, 39.4342, 37.1148

Background



This preview shows how black text looks on a background with the XYZ color 36.9833, 39.4342, 37.1148.



This preview shows how white text looks on a background with the XYZ color 36.9833, 39.4342,

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

36.9833, 39.4342, 37.1148

Protanopia

37.5982, 39.4858, 36.6502

Deuteranopia

40.1693, 39.4475, 37.3953



Tritanopia

39.2285, 39.5258, 48.2095

Trichromacy



Original Color

36.9833, 39.4342, 37.1148

Protanomaly

37.3746, 39.3705, 36.6398

Deuteranomaly

38.8323, 39.2897, 37.4353

Tritanomaly

38.4030, 39.4619, 44.1209

Monochromacy



Original Color

36.9833, 39.4342, 37.1148

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.0657, 39.1206, 40.7194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9833, 39.4342, 37.1148 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(171, 169, 156)` looks like.

```
.text, #text, p{  
    color:rgb(171, 169, 156)  
}
```

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(171, 169, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 169, 156) }
```

Border

The CSS property to change the border of an element to XYZ 36.9833, 39.4342, 37.1148 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(171, 169, 156) }
```


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

```
.border{ border-color:rgb(171, 169, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 169, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 169, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 169, 156);  
box-shadow:4px 4px 4px 4px rgb(171, 169,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9833, 39.4342, 37.1148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 169, 156) }
```

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

```
.background{ background-color: rgb(171,  
169, 156) }
```

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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