

Converting Colors

XYZ(37.0671, 37.9944, 42.0700)

Have a look what the booklet for
XYZ(37.0671, 37.9944, 42.0700)
contains.

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Color

**XYZ(37.0451, 37.9989,
41.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA4A7
RGB	171, 164, 167
RGB Percent	67%, 64%, 65%
CMY	0.3294, 0.3568, 0.3451
CMYK	0.00, 0.04, 0.02, 0.33
HSL	334°, 4%, 66%
HSV	334°, 4%, 67%
XYZ	37.0451, 37.9989, 41.9412
YIQ	166.4350, 3.2090, 2.4170

Conversions

Conversions Part 2

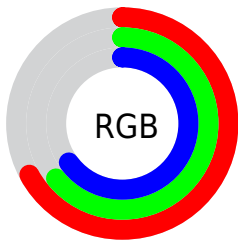
Format	Color
RYB	171, 164, 167
Decimal	11248807
CIELab	68.02, 3.08, -0.66
CIELCh	68, 3.146, 347.917
Yxy	37.9989, 0.3167, 0.3248
Android (android.graphics.Color)	4289438887 (0xFFABA4A7)
YUV	166.4350, 0.2785, 4.0035
Hunter-Lab	61.6432, -0.6044, 2.8102

Details

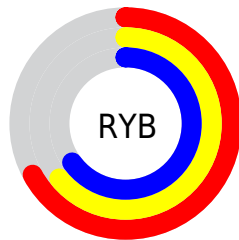
The XYZ color **37.0451, 37.9989, 41.9412** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.9421, 39.8465, 42.7919**, and the grayscale version is **36.4546, 38.3531, 41.7665**.

A 20% lighter version of the original color is **69.8804, 72.1057, 79.3419**, and **16.4964, 16.7481, 18.5829** is the 20% darker color. If you saturate the color by 10%, you get **33.3187, 31.9377, 36.4077**, and if you desaturate by 10%, it is **41.2535, 44.9137, 47.9734**.

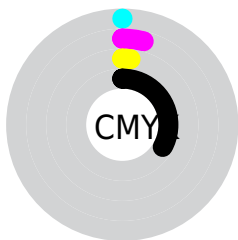
Distribution



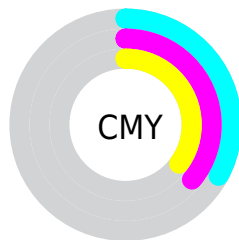
- Red (67%)
- Green (64%)
- Blue (65%)



- Red (67%)
- Yellow (64%)
- Blue (65%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0451, 37.9989, 41.9412 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 37.0451, 37.9989, 41.9412 by changing the saturation by 10% instead.

■ 37.0451, 37.9989,
41.9412

■ 37.0451, 37.9989,
41.9412

324.8579,
337.6153, 370.0316

■ 25.4162, 25.9818,
28.7300

■ 69.9555, 72.1065,
79.3798

■ 16.5178, 16.8101,
18.6329

■ 91.9678, 94.9657,
104.4442

■ 9.9845, 10.0992,
11.2312

118.1719,
122.2079, 134.2969

■ 5.4509, 5.4648,
6.1064

148.9333,
154.2173, 169.3562

■ 2.5516, 2.5224,
2.8401

184.6172,
191.3783, 210.0408

■ 0.9213, 0.8878,
1.0136

225.5890,

■ 0.0000, 0.0000,

234.0754, 256.7692

0.0000

272.2141,
282.6929, 309.9600

■ 37.0451, 37.9989,
41.9412

■ 37.0451, 37.9989,
41.9412

■ 33.3187, 31.9377,
36.4077

■ 41.2535, 44.9137,
47.9734

■ 30.0532, 26.6919,
31.3570

■ 45.9575, 52.7085,
54.5147

■ 27.2308, 22.2279,
26.7761

■ 51.1742, 61.4147,
61.5781

■ 24.8312, 18.5075,
22.6502

■ 56.9188, 71.0607,
69.1754

■ 22.8324, 15.4896,
18.9638

■ 63.2060, 81.6736,
77.3181

■ 21.2104, 13.1289,
15.7002

■ 66.2352, 85.6502,
84.7458

■ 19.9384, 11.3747,
12.8415

■ 67.6128, 86.2012,
92.0002

■ 18.9859, 10.1691,
10.3680

■ 69.0681, 86.7834,
99.6637

■ 18.3164, 9.4421,
8.2577

■ 70.6023, 87.3970,
107.7427

Harmonies

Analogous

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



36.8199, 37.9989, 43.2075



37.0451, 37.9989, 41.9412



37.0199, 37.9989, 40.5505

Triad

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



37.0451, 37.9989, 41.9412



35.8280, 37.9989, 38.8619



35.4896, 37.9989, 43.4075

Complementary

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



37.0451, 37.9989, 41.9412



36.9421, 39.8465, 42.7919

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.



35.2286, 37.9989, 42.2092



37.0451, 37.9989, 41.9412



35.4227, 37.9989, 39.5938

Square

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



37.0451, 37.9989, 41.9412



36.3142, 37.9989, 38.7938



35.2042, 37.9989, 40.8126



35.9201, 37.9989, 44.0668

Rectangle

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



37.0451, 37.9989, 41.9412



36.8645, 37.9989, 39.7397



35.2042, 37.9989, 40.8126



35.3793, 37.9989, 43.0532

Sweetspot

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



37.0462, 38.0005, 41.9420



68.5703, 71.6973, 78.3397



36.7689, 37.8142, 43.8895



15.3006, 16.0038, 17.4833



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.



37.0462, 38.0005, 41.9420



65.6435, 66.9065, 74.0876



36.8559, 38.0582, 40.5274



8.4716, 8.6068, 9.5461



13.5986, 6.9020, 5.5318



0.4061, 0.2031, 0.3001

Inverse Universe

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



37.0462, 38.0005, 41.9420



65.6435, 66.9065, 74.0876



37.1366, 39.7836, 44.2503



8.4716, 8.6068, 9.5461



13.5986, 6.9020, 5.5318



0.4061, 0.2031, 0.3001

Previews

White Background



This preview shows how the XYZ color 37.0451, 37.9989, 41.9412 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 37.0451, 37.9989, 41.9412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

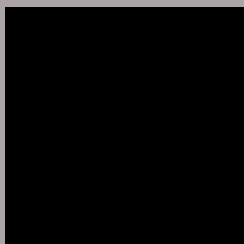
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

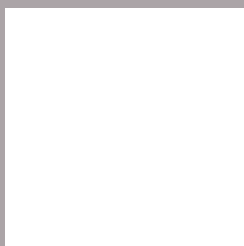
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0451, 37.9989, 41.9412

Background



This preview shows how black text looks on a background with the XYZ color 37.0451, 37.9989, 41.9412.



This preview shows how white text looks on a background with the XYZ color 37.0451, 37.9989,

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

37.0451, 37.9989, 41.9412

Protanopia

36.6715, 38.0623, 42.4597

Deuteranopia

38.8688, 38.1406, 42.3591



Tritanopia

37.8483, 38.0602, 45.9090

Trichromacy



Original Color

37.0451, 37.9989, 41.9412

Protanomaly

36.8852, 38.1724, 42.4697

Deuteranomaly

38.1197, 38.0149, 42.3743

Tritanomaly

37.5568, 37.9436, 44.3741

Monochromacy



Original Color

37.0451, 37.9989, 41.9412

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.4865, 37.9883, 41.4858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0451, 37.9989, 41.9412 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, 164, 167)` looks like.

```
.text, #text, p{  
    color:rgb(171, 164, 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(171, 164, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 164, 167) }
```

Border

The CSS property to change the border of an element to XYZ 37.0451, 37.9989, 41.9412 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, 164, 167) }
```


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

```
.border{ border-color:rgb(171, 164, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 164, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 164, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 164, 167);  
box-shadow:4px 4px 4px 4px rgb(171, 164,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0451, 37.9989, 41.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 164, 167) }
```

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

```
.background{ background-color: rgb(171,  
164, 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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