

Converting Colors

XYZ(37.6336, 41.8634, 34.7562)

Have a look what the booklet for
XYZ(37.6336, 41.8634, 34.7562)
contains.

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Color

**XYZ(37.6079, 41.7987,
34.9400)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB096
RGB	170, 176, 150
RGB Percent	67%, 69%, 59%
CMY	0.3333, 0.3098, 0.4118
CMYK	0.03, 0.00, 0.15, 0.31
HSL	74°, 14%, 64%
HSV	74°, 15%, 69%
XYZ	37.6079, 41.7987, 34.9400
YIQ	171.2420, 4.7700, -9.3580

Conversions

Conversions Part 2

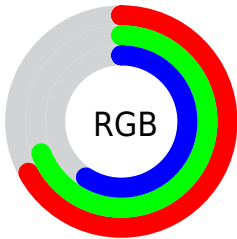
Format	Color
RYB	150, 176, 156
Decimal	11186326
CIELab	70.73, -6.77, 12.61
CIELCh	71, 14.316, 118.238
Yxy	41.7987, 0.3289, 0.3655
Android (android.graphics.Color)	4289376406 (0xFFAAB096)
YUV	171.2420, -10.4723, -1.0892
Hunter-Lab	64.6519, -9.3077, 13.2141

Details

The XYZ color **37.6079, 41.7987, 34.9400** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4548, 32.0164, 45.5457**, and the grayscale version is **38.8806, 40.9054, 44.5460**.

A 20% lighter version of the original color is **70.8070, 78.0804, 68.4658**, and **16.9310, 19.1677, 14.6118** is the 20% darker color. If you saturate the color by 10%, you get **35.4312, 40.8295, 27.9874**, and if you desaturate by 10%, it is **40.0269, 42.8707, 43.0169**.

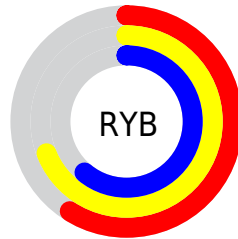
Distribution



Red (67%)

Green (69%)

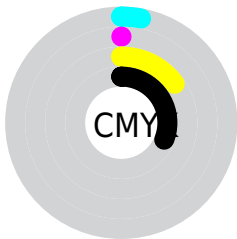
Blue (59%)



Red (59%)

Yellow (69%)

Blue (61%)

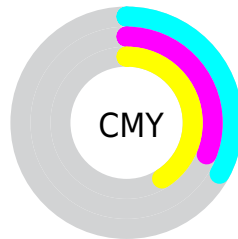


Cyan (3%)

Magenta (0%)

Yellow (15%)

Black (31%)



Cyan (33%)


Magenta (31%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6079, 41.7987, 34.9400 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 37.6079, 41.7987, 34.9400 by changing the saturation by 10% instead.


 37.6079, 41.7987,
34.9400


 37.6079, 41.7987,
34.9400


327.2450,
353.6478, 339.1996

 25.8543, 28.9437,
23.3335


 70.8145, 77.8949,
68.5433

 16.8468, 19.0382,
14.6323


 92.9983, 101.9048,
91.3772

 10.2200, 11.6979,
8.4180


119.3896,
130.4019, 118.7906

 5.6084, 6.5383,
4.2720

150.3536,
163.7705, 151.2021

 2.6469, 3.1751,
1.7757

186.2558,
202.3950, 189.0302

 0.9699, 1.2238,
0.4119

227.4615,

 0.0000, 0.0810,

246.6598, 232.6935

0.0000

274.3361,
296.9492, 282.6104

■ 0.0000, 0.0000,
0.0000

■ 37.6079, 41.7987,
34.9400

■ 37.6079, 41.7987,
34.9400

■ 35.4312, 40.8295,
27.9874

■ 40.0269, 42.8707,
43.0169

■ 33.4838, 39.9537,
22.1066

■ 42.6940, 44.0438,
52.2621

■ 31.7563, 39.1690,
17.2449

■ 45.6189, 45.3232,
62.7207

■ 30.2375, 38.4708,
13.3440

■ 48.8097, 46.7122,
74.4343

■ 28.9149, 37.8541,
10.3399

■ 52.2743, 48.2139,
87.4428

■ 27.7747, 37.3133,
8.1607

■ 55.9227, 49.7924,
101.2712

■ 26.8008, 36.8420,
6.7234

■ 56.9827, 50.3389,
101.3208

■ 25.9738, 36.4325,
5.9273

■ 58.0715, 50.9002,
101.3718

■ 25.5771, 36.2338,
5.6458

■ 59.1893, 51.4764,
101.4241

Harmonies

Analogous

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



39.8689, 41.7987, 33.6570



37.6079, 41.7987, 34.9400



35.9728, 41.7987, 38.9720

Triad

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



37.6079, 41.7987, 34.9400



37.3740, 41.7987, 57.5545



44.4672, 41.7987, 45.9149

Complementary

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



37.6079, 41.7987, 34.9400



32.4548, 32.0164, 45.5457

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.



43.7367, 41.7987, 52.7449



37.6079, 41.7987, 34.9400



39.5882, 41.7987, 59.8667

Square

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



37.6079, 41.7987, 34.9400



35.8416, 41.7987, 51.9804



41.9272, 41.7987, 58.0259



43.8865, 41.7987, 39.6032

Rectangle

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



37.6079, 41.7987, 34.9400



35.4256, 41.7987, 42.8987



41.9272, 41.7987, 58.0259



44.3663, 41.7987, 48.2286

Sweetspot

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



37.6090, 41.8005, 34.9409



72.9173, 77.8928, 79.1242



35.2380, 35.0874, 33.7701



15.7282, 16.8479, 16.8945



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.6090, 41.8005, 34.9409



66.7592, 75.1645, 58.6740



35.0080, 40.4597, 34.8192



9.0014, 9.8058, 9.0708



18.8183, 26.6113, 4.1447



0.6391, 0.8615, 0.1326

Inverse Universe

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



32.4548, 32.0164, 45.5457



55.4537, 53.7016, 81.9380



35.0279, 33.3428, 45.6662



8.2195, 8.3217, 10.6794



6.4540, 2.6630, 30.3108



0.2546, 0.1104, 0.9561

Previews

White Background



This preview shows how the XYZ color 37.6079, 41.7987, 34.9400 looks on a white background.

Color Contrast Check

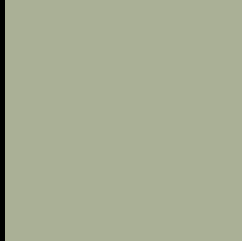
Large Text (above 18pt) WCAG AA × Fail

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 37.6079, 41.7987, 34.9400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

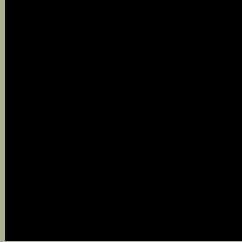
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6079, 41.7987, 34.9400

Background



This preview shows how black text looks on a background with the XYZ color 37.6079, 41.7987, 34.9400.



This preview shows how white text looks on a background with the XYZ color 37.6079, 41.7987,

34.9400.

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

37.6079, 41.7987, 34.9400

Protanopia

39.3892, 41.5882, 33.9683

Deuteranopia

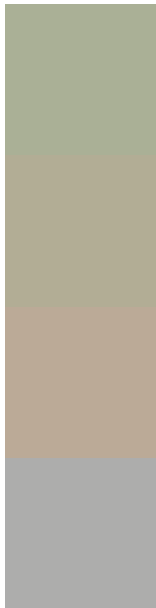
42.5122, 41.7747, 35.5285



Tritanopia

40.9991, 41.7426, 51.7952

Trichromacy



Original Color

37.6079, 41.7987, 34.9400

Protanomaly

38.7285, 41.5220, 34.4071

Deuteranomaly

40.4542, 41.5486, 35.1657

Tritanomaly

39.6235, 41.7499, 44.9999

Monochromacy



Original Color

37.6079, 41.7987, 34.9400

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.3490, 41.1894, 40.5795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6079, 41.7987, 34.9400 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(170, 176, 150)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 150)  
}
```

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(170, 176, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 150) }
```

Border

The CSS property to change the border of an element to XYZ 37.6079, 41.7987, 34.9400 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(170, 176, 150) }
```


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

```
.border{ border-color:rgb(170, 176, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 176, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6079, 41.7987, 34.9400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 150) }
```

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

```
.background{ background-color: rgb(170,  
176, 150) }
```

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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