

Converting Colors

XYZ(32.2199, 42.0536, 36.8274)

Have a look what the booklet for
XYZ(32.2199, 42.0536, 36.8274)
contains.

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Color

**XYZ(32.2937, 42.0401,
36.9843)**

Conversions

Conversions Part 1

Format	Color
Hex	80BA9A
RGB	128, 186, 154
RGB Percent	50%, 73%, 60%
CMY	0.4980, 0.2706, 0.3961
CMYK	0.31, 0.00, 0.17, 0.27
HSL	147°, 30%, 62%
HSV	147°, 31%, 73%
XYZ	32.2937, 42.0401, 36.9843
YIQ	165.0100, -24.2960, -22.2480

Conversions

Conversions Part 2

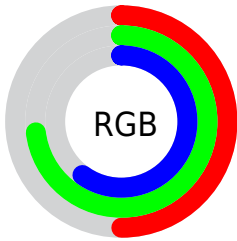
Format	Color
RYB	128, 168, 186
Decimal	8436378
CIELab	70.90, -25.67, 10.28
CIELCh	71, 27.648, 158.173
Yxy	42.0401, 0.2901, 0.3777
Android (android.graphics.Color)	4286626458 (0xFF80BA9A)
YUV	165.0100, -5.4279, -32.4578
Hunter-Lab	64.8383, -24.5625, 11.5674

Details

The XYZ color **32.2937, 42.0401, 36.9843** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.3155, 28.4165, 36.9357**, and the grayscale version is **35.8034, 37.6680, 41.0204**.

A 20% lighter version of the original color is **62.4287, 78.0034, 71.4403**, and **13.8162, 19.2908, 15.8273** is the 20% darker color. If you saturate the color by 10%, you get **28.9299, 40.4017, 32.5546**, and if you desaturate by 10%, it is **36.2457, 43.9756, 41.8249**.

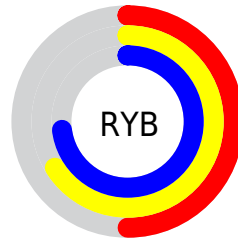
Distribution



Red (50%)

Green (73%)

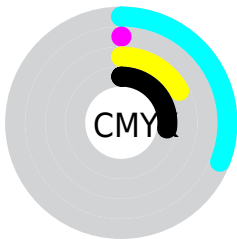
Blue (60%)



Red (50%)

Yellow (66%)

Blue (73%)

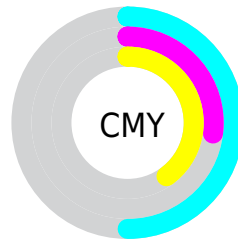


Cyan (31%)

Magenta (0%)

Yellow (17%)

Black (27%)



Cyan (50%)

Magenta (27%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2937, 42.0401, 36.9843 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 32.2937, 42.0401, 36.9843 by changing the saturation by 10% instead.


 32.2937, 42.0401,
36.9843


 32.2937, 42.0401,
36.9843


304.1766,
354.6491, 348.4092


 21.7426, 29.1327,
24.8996


 62.6333, 78.2603,
71.7347

 13.7834, 19.1812,
15.7840


 83.1525, 102.3419,
95.2375

 8.0509, 11.8013,
9.2187


 107.7251,
130.9170, 123.3835

 4.1796, 6.6085,
4.7854

136.7165,
164.3700, 156.5911

 1.8042, 3.2185,
2.0654

170.4919,
203.0854, 195.2789

 0.5202, 1.2468,
0.5950

209.4169,

 0.0000, 0.0995,

247.4474, 239.8656

0.0000

253.8566,
297.8405, 290.7695

■ 0.0000, 0.0000,
0.0000

■ 32.2937, 42.0401,
36.9843

■ 32.2937, 42.0401,
36.9843

■ 28.9299, 40.4017,
32.5546

■ 36.2457, 43.9756,
41.8249

■ 26.1211, 39.0401,
28.5220

■ 40.8103, 46.2170,
47.0840

■ 23.8357, 37.9402,
24.8760


■ 46.0143, 48.7793,
52.7725


■ 22.0375, 37.0838,
21.6047


■ 51.8822, 51.6747,
58.9002


■ 20.6854, 36.4497,
18.6954


■ 58.4369, 54.9150,
65.4765


 19.7307, 36.0133,
16.1344

 65.7005, 58.5114,
72.5105

 19.1357, 35.7498,
14.1521

 72.5052, 61.8616,
79.9552

 73.9549, 62.4415,
87.5893

 75.4903, 63.0556,
95.6748

Harmonies

Analogous

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



34.7348, 42.0401, 28.6029



32.2937, 42.0401, 36.9843



31.8236, 42.0401, 49.4727

Triad

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



32.2937, 42.0401, 36.9843



41.2291, 42.0401, 75.7194



47.3255, 42.0401, 31.8308

Complementary

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



32.2937, 42.0401, 36.9843



34.3155, 28.4165, 36.9357

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.



49.3720, 42.0401, 42.2654



32.2937, 42.0401, 36.9843



45.6799, 42.0401, 68.7264

Square

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



32.2937, 42.0401, 36.9843



36.7575, 42.0401, 73.5594



48.7477, 42.0401, 55.8576



43.3388, 42.0401, 26.0497

Rectangle

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



32.2937, 42.0401, 36.9843



32.6543, 42.0401, 58.8120



48.7477, 42.0401, 55.8576



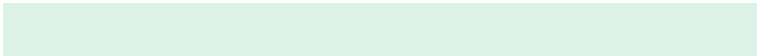
48.2765, 42.0401, 34.8220

Sweetspot

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



32.2948, 42.0418, 36.9852



75.7914, 84.6643, 87.3727



36.1277, 44.2415, 27.0579



16.4004, 18.5018, 18.9178



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.2948, 42.0418, 36.9852



54.4943, 74.2295, 61.7884



34.9197, 43.0918, 50.8073



9.0532, 10.1252, 10.4374



12.9100, 24.0649, 9.7138



0.4864, 0.8609, 0.5070

Inverse Universe

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



34.3155, 28.4165, 36.9357



58.7017, 45.8466, 61.6769



32.1258, 27.5406, 25.4052



9.2064, 9.0929, 10.4341



15.2960, 7.6921, 9.4454



0.5699, 0.2834, 0.4946

Previews

White Background



This preview shows how the XYZ color 32.2937, 42.0401, 36.9843 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 32.2937, 42.0401, 36.9843 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

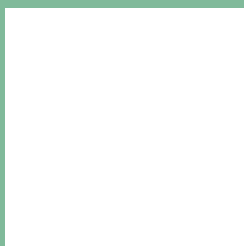
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2937, 42.0401, 36.9843

Background



This preview shows how black text looks on a background with the XYZ color 32.2937, 42.0401, 36.9843.

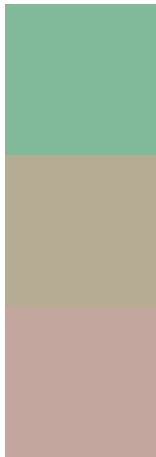


This preview shows how white text looks on a background with the XYZ color 32.2937, 42.0401,

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

32.2937, 42.0401, 36.9843

Protanopia

39.3104, 41.5567, 33.5531

Deuteranopia

42.4959, 41.7082, 38.1585



Tritanopia

36.3249, 41.8169, 57.7867

Trichromacy



Original Color

32.2937, 42.0401, 36.9843

Protanomaly

36.1275, 41.3277, 34.9271

Deuteranomaly

38.0164, 41.3644, 37.8787

Tritanomaly

34.6390, 41.7377, 49.4105

Monochromacy



Original Color

32.2937, 42.0401, 36.9843

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.3255, 39.1357, 39.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2937, 42.0401, 36.9843 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(128, 186, 154)` looks like.

```
.text, #text, p{  
    color:rgb(128, 186, 154)  
}
```

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(128, 186, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 186, 154) }
```

Border

The CSS property to change the border of an element to XYZ 32.2937, 42.0401, 36.9843 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(128, 186, 154) }
```


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

```
.border{ border-color:rgb(128, 186, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 186, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 186, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 186, 154);  
box-shadow:4px 4px 4px 4px rgb(128, 186,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2937, 42.0401, 36.9843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 186, 154) }
```

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

```
.background{ background-color: rgb(128,  
186, 154) }
```

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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