

# Converting Colors

XYZ(37.4171, 33.0923, 42.5143)

Have a look what the booklet for  
XYZ(37.4171, 33.0923, 42.5143)  
contains.

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# Color

**XYZ(37.3279, 32.9863,  
42.4298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA8FAA
RGB	186, 143, 170
RGB Percent	73%, 56%, 67%
CMY	0.2706, 0.4392, 0.3333
CMYK	0.00, 0.23, 0.09, 0.27
HSL	322°, 24%, 65%
HSV	322°, 23%, 73%
XYZ	37.3279, 32.9863, 42.4298
YIQ	158.9350, 16.9610, 17.5130

# Conversions

## Conversions Part 2

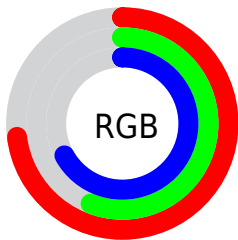
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 143, 170
Decimal	12226474
CIE <sub>Lab</sub>	64.15, 20.68, -7.89
CIE <sub>LCh</sub>	64, 22.140, 339.112
Yxy	32.9863, 0.3311, 0.2926
Android (android.graphics.Color)	4290416554 (0xFFBA8FAA)
YUV	158.9350, 5.4550, 23.7360
Hunter-Lab	57.4337, 15.5036, -3.5976

# Details

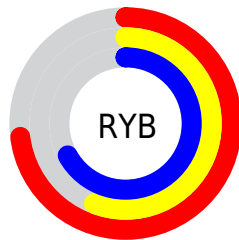
The XYZ color **37.3279, 32.9863, 42.4298** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.1460, 43.4617, 39.3395**, and the grayscale version is **32.8962, 34.6094, 37.6896**.

A 20% lighter version of the original color is **70.5190, 64.4234, 79.9524**, and **16.6129, 13.8678, 18.9407** is the 20% darker color. If you saturate the color by 10%, you get **34.1264, 27.6033, 38.2169**, and if you desaturate by 10%, it is **41.0288, 39.3120, 46.9800**.

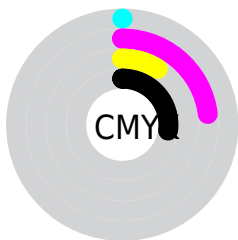
# Distribution



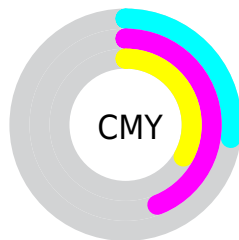
- Red (73%)
- Green (56%)
- Blue (67%)



- Red (73%)
- Yellow (56%)
- Blue (67%)



- Cyan (0%)
- Magenta (23%)
- Yellow (9%)
- Black (27%)




- Cyan (27%)
- Magenta (44%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3279, 32.9863, 42.4298 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 37.3279, 32.9863, 42.4298 by changing the saturation by 10% instead.





 37.3279, 32.9863,  
42.4298

 37.3279, 32.9863,  
42.4298


326.0589,  
315.5880, 372.1136

 25.6363, 22.1160,  
29.1099


 70.3874, 64.3541,  
80.1268

 16.6830, 13.9421,  
18.9177


 92.4860, 85.6204,  
105.3410

 10.1026, 8.0804,  
11.4346


118.7843,  
111.1208, 135.3570

 5.5299, 4.1465,  
6.2421

149.6476,  
141.2397, 170.5934

 2.5993, 1.7558,  
2.9217

185.4414,  
176.3614, 211.4687

 0.9456, 0.4594,  
1.0548

226.5310,

 0.0000, 0.0000,

216.8705, 258.4015

0.0000

273.2817,  
263.1512, 311.8103

■ 37.3279, 32.9863,  
42.4298

■ 37.3279, 32.9863,  
42.4298

■ 34.1264, 27.6033,  
38.2169

■ 41.0288, 39.3120,  
46.9800

■ 31.3980, 23.1126,  
34.3289

■ 45.2479, 46.6186,  
51.8752

■ 29.1184, 19.4662,  
30.7554

■ 50.0067, 54.9475,  
57.1254

■ 27.2600, 16.6094,  
27.4844

■ 55.3243, 64.3367,  
62.7394

■ 25.7916, 14.4811,  
24.5028

■ 61.2191, 74.8219,  
68.7258

■ 24.6780, 13.0114,  
21.7959

■ 67.7086, 86.4373,  
75.0926

■ 23.8764, 12.1161,  
19.3467

■ 68.7241, 87.0449,  
79.8194

■ 23.4483, 11.7186,  
17.7896

■ 69.6516, 87.4159,  
84.7036

■ 70.6174, 87.8022,  
89.7895

# Harmonies

## Analogous

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



35.3107, 32.9863, 51.0451



37.3279, 32.9863, 42.4298



37.6886, 32.9863, 33.2516

# Triad

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



37.3279, 32.9863, 42.4298



30.4076, 32.9863, 21.4257



26.9042, 32.9863, 47.9441

# Complementary

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



37.3279, 32.9863, 42.4298



35.1460, 43.4617, 39.3395

# 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.



25.7695, 32.9863, 38.7201



37.3279, 32.9863, 42.4298



27.7017, 32.9863, 24.1180

# Square

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



37.3279, 32.9863, 42.4298



33.5511, 32.9863, 22.0819



26.0514, 32.9863, 30.1063



29.2521, 32.9863, 54.5793



# Rectangle

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



37.3279, 32.9863, 42.4298



36.9191, 32.9863, 28.1555



26.0514, 32.9863, 30.1063



26.3756, 32.9863, 44.9867

# Sweetspot

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



37.3289, 32.9878, 42.4305



78.8397, 78.9829, 90.4009



32.9386, 30.5388, 50.6135



17.2594, 17.2159, 19.7894



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.



37.3289, 32.9878, 42.4305



64.4467, 54.3664, 72.7486



35.4769, 32.2470, 32.6783



9.2353, 9.1045, 10.5867



15.8122, 7.8986, 12.1639



0.5863, 0.2900, 0.5808



# Inverse Universe

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



37.3289, 32.9878, 42.4305



64.4467, 54.3664, 72.7486



37.1532, 44.2645, 49.9092



9.2353, 9.1045, 10.5867



15.8122, 7.8986, 12.1639

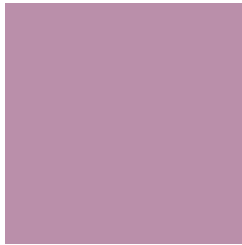


0.5863, 0.2900, 0.5808



# Previews

## White Background



This preview shows how the XYZ color 37.3279, 32.9863, 42.4298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

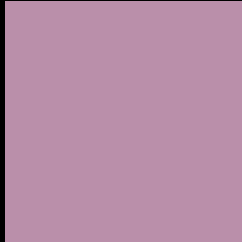
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3279, 32.9863, 42.4298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

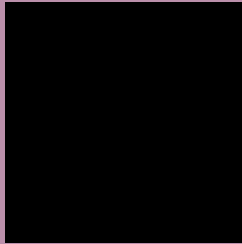
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.3279, 32.9863, 42.4298**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3279, 32.9863, 42.4298.



This preview shows how white text looks on a background with the XYZ color 37.3279, 32.9863,



# 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

37.3279, 32.9863, 42.4298

### Protanopia

32.6061, 33.2924, 46.3025

### Deuteranopia

33.6515, 32.9597, 41.6340



## Tritanopia

35.9784, 32.8755, 36.3476

# Trichromacy



## Original Color

37.3279, 32.9863, 42.4298

## Protanomaly

34.0164, 33.0817, 44.6370

## Deuteranomaly

34.9849, 32.9286, 42.0481

## Tritanomaly

36.5024, 32.8694, 38.6030

# Monochromacy



## Original Color

37.3279, 32.9863, 42.4298

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.3643, 33.8618, 39.3751

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3279, 32.9863, 42.4298 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(186, 143, 170)` looks like.

```
.text, #text, p{  
    color:rgb(186, 143, 170)  
}
```

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(186, 143, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 143, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3279, 32.9863, 42.4298 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(186, 143, 170) }
```



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

```
.border{ border-color:rgb(186, 143, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 143, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 143, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 143, 170);  
box-shadow:4px 4px 4px 4px rgb(186, 143,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3279, 32.9863, 42.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 143, 170) }
```

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

```
.background{ background-color: rgb(186,  
143, 170) }
```

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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