

# Converting Colors

XYZ(34.2078, 32.5171, 42.5037)

Have a look what the booklet for  
XYZ(34.2078, 32.5171, 42.5037)  
contains.

<b>XYZ(34.2078, 32.5171, 42.5037)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.2078, 32.5171,  
42.5037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A994AA
RGB	169, 148, 170
RGB Percent	66%, 58%, 67%
CMY	0.3373, 0.4196, 0.3333
CMYK	0.01, 0.13, 0.00, 0.33
HSL	297°, 11%, 62%
HSV	297°, 13%, 67%
XYZ	34.2078, 32.5171, 42.5037
YIQ	156.7870, 5.4540, 11.2940

# Conversions

## Conversions Part 2

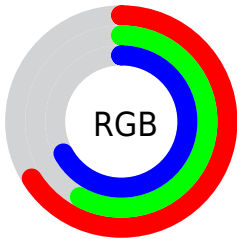
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 148, 170
Decimal	11113642
CIELab	63.77, 11.83, -8.64
CIELCh	64, 14.648, 323.868
Yxy	32.5171, 0.3132, 0.2977
Android (android.graphics.Color)	4289303722 (0xFFA994AA)
YUV	156.7870, 6.5140, 10.7108
Hunter-Lab	57.0238, 7.2882, -4.2762

# Details

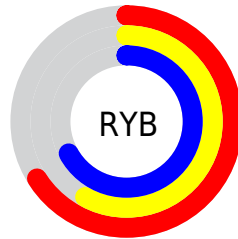
The XYZ color **34.2078, 32.5171, 42.5037** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1156, 37.2780, 33.5213**, and the grayscale version is **31.9229, 33.5853, 36.5744**.

A 20% lighter version of the original color is **65.4516, 63.5246, 80.0460**, and **14.8808, 13.6393, 18.9879** is the 20% darker color. If you saturate the color by 10%, you get **31.5698, 27.4859, 41.6721**, and if you desaturate by 10%, it is **37.2404, 38.3349, 43.4673**.

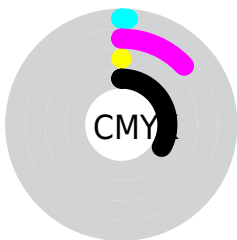
# Distribution



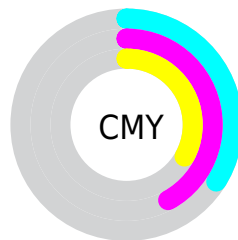
- Red (66%)
- Green (58%)
- Blue (67%)



- Red (66%)
- Yellow (58%)
- Blue (67%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)



- Cyan (34%)
- Magenta (42%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2078, 32.5171, 42.5037 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 34.2078, 32.5171, 42.5037 by changing the saturation by 10% instead.



■ 34.2078, 32.5171,  
42.5037

■ 34.2078, 32.5171,  
42.5037

312.6273,  
313.4681, 372.4278

■ 23.2169, 21.7568,  
29.1674

■ 65.5988, 63.6209,  
80.2397

■ 14.8753, 13.6783,  
18.9608

■ 86.7297, 84.7331,  
105.4765

■ 8.8177, 7.8973,  
11.4654

111.9713,  
110.0647, 135.5171

■ 4.6786, 4.0293,  
6.2627

141.6889,  
140.0002, 170.7802

■ 2.0928, 1.6900,  
2.9341

176.2480,  
174.9239, 211.6843

■ 0.6853, 0.4171,  
1.0611

216.0138,

■ 0.0000, 0.0000,

215.2202, 258.6479

0.0000

261.3518,  
261.2734, 312.0895

■ 34.2078, 32.5171,  
42.5037

■ 34.2078, 32.5171,  
42.5037

■ 31.5698, 27.4859,  
41.6721

■ 37.2404, 38.3349,  
43.4673

■ 29.3064, 23.2030,  
40.9647

■ 40.6806, 44.9670,  
44.5661

■ 27.4003, 19.6334,  
40.3762

■ 44.5444, 52.4449,  
45.8058

■ 25.8319, 16.7375,  
39.8999

■ 48.8462, 60.7973,  
47.1913

■ 24.5793, 14.4718,  
39.5286

■ 53.5996, 70.0514,  
48.7270

■ 23.6183, 12.7880,  
39.2542

■ 58.8176, 80.2334,  
50.4173

■ 22.9212, 11.6305,  
39.0675

■ 60.5628, 83.4681,  
50.9497

■ 22.4547, 10.9329,  
38.9575

■ 60.7360, 83.5574,  
50.9578

■ 22.2119, 10.6125,  
38.9084

■ 60.9101, 83.6472,  
50.9659

# Harmonies

## Analogous

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



32.5325, 32.5171, 46.7909



34.2078, 32.5171, 42.5037



35.0026, 32.5171, 36.6278

# Triad

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



34.2078, 32.5171, 42.5037



31.3304, 32.5171, 25.3069



27.4332, 32.5171, 40.1830

# Complementary

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



34.2078, 32.5171, 42.5037



32.1156, 37.2780, 33.5213

# 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.



27.1431, 32.5171, 34.2108



34.2078, 32.5171, 42.5037



29.3356, 32.5171, 26.0354

# Square

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



34.2078, 32.5171, 42.5037



33.2946, 32.5171, 27.0324



27.8248, 32.5171, 29.1453



28.6354, 32.5171, 45.3507



# Rectangle

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



34.2078, 32.5171, 42.5037



34.9022, 32.5171, 32.7628



27.8248, 32.5171, 29.1453



27.2281, 32.5171, 38.1868

# Sweetspot

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



34.2088, 32.5185, 42.5044



66.9079, 68.2847, 78.6557



30.2331, 30.7263, 42.3680



14.8259, 15.0455, 17.5104



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.



34.2088, 32.5185, 42.5044



60.3852, 55.7857, 76.5869



33.5224, 32.2688, 37.7663



7.8077, 7.6490, 9.4832



16.3522, 7.8133, 28.6218



0.4077, 0.1952, 0.6968



# Inverse Universe

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



32.5934, 31.8972, 32.8742



56.7854, 54.4025, 55.0663



32.7515, 37.5114, 37.8180



7.5444, 7.5476, 7.9181



12.2315, 6.3013, 0.7646



0.3018, 0.1550, 0.0406



# Previews

## White Background



This preview shows how the XYZ color 34.2078, 32.5171, 42.5037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

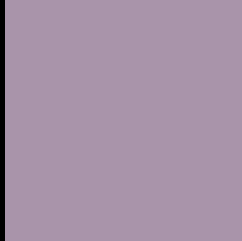
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.2078, 32.5171, 42.5037 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 34.2078, 32.5171, 42.5037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2078, 32.5171, 42.5037.



This preview shows how white text looks on a background with the XYZ color 34.2078, 32.5171,



# 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

34.2078, 32.5171, 42.5037

### Protanopia

31.8830, 32.4750, 44.1231

### Deuteranopia

33.2663, 32.5015, 42.5503



## Tritanopia

33.3289, 32.3929, 38.2141

# Trichromacy



## Original Color

34.2078, 32.5171, 42.5037

## Protanomaly

32.6136, 32.3809, 43.5609

## Deuteranomaly

33.5202, 32.3965, 42.5167

## Tritanomaly

33.5967, 32.5001, 39.6244

# Monochromacy



## Original Color

34.2078, 32.5171, 42.5037

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

32.7751, 33.2969, 38.8819

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2078, 32.5171, 42.5037 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(169, 148, 170)` looks like.

```
.text, #text, p{  
    color:rgb(169, 148, 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(169, 148, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 148, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2078, 32.5171, 42.5037 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(169, 148, 170) }
```



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

```
.border{ border-color:rgb(169, 148, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 148, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 148, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 148, 170);  
box-shadow:4px 4px 4px 4px rgb(169, 148,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2078, 32.5171, 42.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 148, 170) }
```

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

```
.background{ background-color: rgb(169,  
148, 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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