

# Converting Colors

XYZ(34.8867, 34.1207, 39.8692)

Have a look what the booklet for  
XYZ(34.8867, 34.1207, 39.8692)  
contains.

<b>XYZ(34.8867, 34.1207, 39.8692)</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(34.8867, 34.1207,  
39.8692)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB99A4
RGB	171, 153, 164
RGB Percent	67%, 60%, 64%
CMY	0.3294, 0.4000, 0.3569
CMYK	0.00, 0.11, 0.04, 0.33
HSL	323°, 10%, 64%
HSV	323°, 11%, 67%
XYZ	34.8867, 34.1207, 39.8692
YIQ	159.6360, 7.1970, 7.2370

# Conversions

## Conversions Part 2

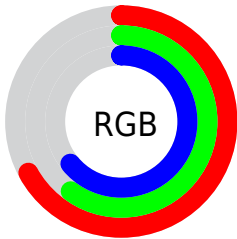
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 153, 164
Decimal	11245988
CIELab	65.06, 8.61, -3.33
CIELCh	65, 9.227, 338.860
Yxy	34.1207, 0.3204, 0.3134
Android (android.graphics.Color)	4289436068 (0xFFAB99A4)
YUV	159.6360, 2.1515, 9.9662
Hunter-Lab	58.4129, 4.3852, 0.4212

# Details

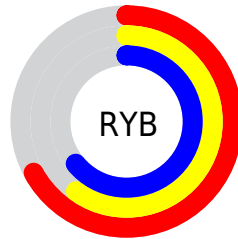
The XYZ color **34.8867, 34.1207, 39.8692** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0463, 38.4372, 38.8843**, and the grayscale version is **33.2350, 34.9658, 38.0778**.

A 20% lighter version of the original color is **66.4630, 65.9089, 76.2365**, and **15.2838, 14.5945, 17.3407** is the 20% darker color. If you saturate the color by 10%, you get **31.7012, 28.6856, 35.9212**, and if you desaturate by 10%, it is **38.5067, 40.3736, 44.1179**.

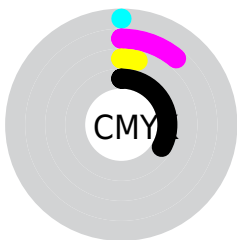
# Distribution



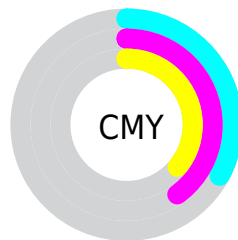
- Red (67%)
- Green (60%)
- Blue (64%)



- Red (67%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (11%)
- Yellow (4%)
- Black (33%)




- Cyan (33%)
- Magenta (40%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8867, 34.1207, 39.8692 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 34.8867, 34.1207, 39.8692 by changing the saturation by 10% instead.





 34.8867, 34.1207,  
39.8692


 34.8867, 34.1207,  
39.8692


315.5847,  
320.6699, 361.1077

 23.7417, 22.9863,  
27.1236


 66.6454, 66.1213,  
76.1992

 15.2658, 14.5834,  
17.4328


 87.9898, 87.7564,  
100.6207

 9.0937, 8.5275,  
10.3783


113.4647,  
113.6604, 129.7711

 4.8599, 4.4343,  
5.5416

143.4356,  
144.2179, 164.0691

 2.1992, 1.9194,  
2.5042

178.2676,  
179.8132, 203.9333

 0.7423, 0.5600,  
0.8424

218.3263,

 0.0000, 0.0000,

220.8307, 249.7820

0.0000

263.9768,  
267.6548, 302.0340

■ 34.8867, 34.1207,  
39.8692

■ 34.8867, 34.1207,  
39.8692

■ 31.7012, 28.6856,  
35.9212

■ 38.5067, 40.3736,  
44.1179

■ 28.9298, 24.0296,  
32.2634

■ 42.5746, 47.4719,  
48.6728

■ 26.5548, 20.1177,  
28.8881

■ 47.1071, 55.4474,  
53.5421

■ 24.5561, 16.9103,  
25.7860

■ 52.1189, 64.3291,  
58.7330

■ 22.9115, 14.3643,  
22.9472

■ 57.6241, 74.1444,  
64.2522

■ 21.5968, 12.4315,  
20.3611

■ 63.4430, 84.5333,  
70.0419

■ 20.5842, 11.0575,  
18.0158

■ 64.2576, 84.8592,  
74.3317

■ 19.8409, 10.1778,  
15.8975

■ 65.1067, 85.1988,  
78.8031

■ 19.3185, 9.6675,  
14.0752

■ 65.9907, 85.5524,  
83.4582

# Harmonies

## Analogous

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



34.0697, 34.1207, 43.1813



34.8867, 34.1207, 39.8692



35.0363, 34.1207, 36.0298

# Triad

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



34.8867, 34.1207, 39.8692



32.0366, 34.1207, 30.3449



30.4708, 34.1207, 41.9624

# Complementary

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



34.8867, 34.1207, 39.8692



34.0463, 38.4372, 38.8843

# 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.



29.9576, 34.1207, 38.2966



34.8867, 34.1207, 39.8692



30.8452, 34.1207, 31.7112

# Square

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



34.8867, 34.1207, 39.8692



33.3662, 34.1207, 30.7023



30.0928, 34.1207, 34.5605



31.5128, 34.1207, 44.4463



# Rectangle

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



34.8867, 34.1207, 39.8692



34.7334, 34.1207, 33.7119



30.0928, 34.1207, 34.5605



30.2321, 34.1207, 40.8178

# Sweetspot

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



34.8877, 34.1222, 39.8699



67.2489, 69.3342, 77.0368



33.2205, 33.1876, 43.1837



14.8791, 15.2581, 17.0428



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.



34.8877, 34.1222, 39.8699



60.8621, 58.3348, 69.4385



34.1118, 33.8119, 35.7844



8.2031, 8.0945, 9.3802



14.5894, 7.2983, 10.7493



0.4316, 0.2133, 0.4347



# Inverse Universe

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



34.8877, 34.1222, 39.8699



60.8621, 58.3348, 69.4385



34.8530, 38.7599, 43.1322



8.2031, 8.0945, 9.3802



14.5894, 7.2983, 10.7493

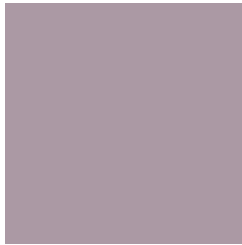


0.4316, 0.2133, 0.4347



# Previews

## White Background



This preview shows how the XYZ color 34.8867, 34.1207, 39.8692 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 34.8867, 34.1207, 39.8692 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 34.8867, 34.1207, 39.8692**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8867, 34.1207, 39.8692.



This preview shows how white text looks on a background with the XYZ color 34.8867, 34.1207,



# 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

34.8867, 34.1207, 39.8692

### Protanopia

33.0405, 34.1362, 40.9239

### Deuteranopia

34.8867, 34.1207, 39.8692



## Tritanopia

34.9774, 34.1570, 40.3468

# Trichromacy



## Original Color

34.8867, 34.1207, 39.8692

## Protanomaly

33.7843, 34.2801, 40.4334

## Deuteranomaly

34.8867, 34.1207, 39.8692

## Tritanomaly

34.9774, 34.1570, 40.3468

# Monochromacy



## Original Color

34.8867, 34.1207, 39.8692

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

33.7998, 34.5797, 38.6113

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8867, 34.1207, 39.8692 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, 153, 164)` looks like.

```
.text, #text, p{  
    color:rgb(171, 153, 164)  
}
```

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, 153, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 153, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8867, 34.1207, 39.8692 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, 153, 164) }
```



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

```
.border{ border-color:rgb(171, 153, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 153, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 153, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 153, 164); box-shadow:4px 4px 4px 4px rgb(171, 153, 164) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8867, 34.1207, 39.8692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 153, 164) }
```

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

```
.background{ background-color: rgb(171,  
153, 164) }
```

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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