

# Converting Colors

XYZ(40.0013, 42.8534, 35.1328)

Have a look what the booklet for  
XYZ(40.0013, 42.8534, 35.1328)  
contains.

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# Color

**XYZ(39.8910, 42.6857,  
34.9908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5AF96
RGB	181, 175, 150
RGB Percent	71%, 69%, 59%
CMY	0.2902, 0.3137, 0.4118
CMYK	0.00, 0.03, 0.17, 0.29
HSL	48°, 17%, 65%
HSV	48°, 17%, 71%
XYZ	39.8910, 42.6857, 34.9908
YIQ	173.9440, 11.6010, -6.5030

# Conversions

## Conversions Part 2

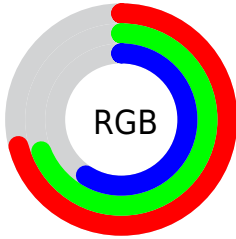
Format	Color
<a href="#">RYB</a>	<a href="#">157, 181, 150</a>
Decimal	<a href="#">11906966</a>
CIELab	<a href="#">71.34, -2.12, 13.60</a>
CIELCh	<a href="#">71, 13.760, 98.849</a>
Yxy	<a href="#">42.6857, 0.3393, 0.3631</a>
Android (android.graphics.Color)	<a href="#">4290097046 (0xFFB5AF96)</a>
YUV	<a href="#">173.9440, -11.8044, 6.1881</a>
Hunter-Lab	<a href="#">65.3343, -5.3487, 13.9803</a>

# Details

The XYZ color **39.8910, 42.6857, 34.9908** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8064, 33.5963, 48.4719**, and the grayscale version is **40.2588, 42.3554, 46.1250**.

A 20% lighter version of the original color is **74.1209, 78.9578, 68.4605**, and **18.2372, 19.6560, 14.6372** is the 20% darker color. If you saturate the color by 10%, you get **37.8725, 40.8035, 27.6742**, and if you desaturate by 10%, it is **42.1546, 44.6971, 43.5009**.

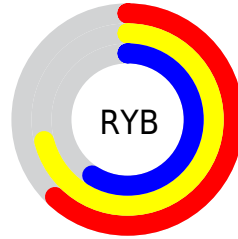
# Distribution



Red (71%)

Green (69%)

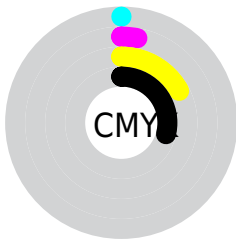
Blue (59%)



Red (62%)

Yellow (71%)

Blue (59%)

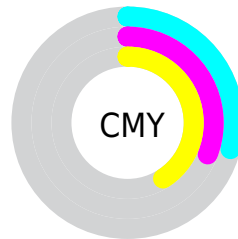


Cyan (0%)

Magenta (3%)

Yellow (17%)

Black (29%)



Cyan (29%)

Magenta (31%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8910, 42.6857, 34.9908 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 39.8910, 42.6857, 34.9908 by changing the saturation by 10% instead.





 39.8910, 42.6857,  
34.9908


 39.8910, 42.6857,  
34.9908


336.8062,  
357.3176, 339.4307

 27.6374, 29.6386,  
23.3723


 74.2829, 79.2364,  
68.6229

 18.1916, 19.5644,  
14.6608


 97.1519, 103.5087,  
91.4736

 11.1881, 12.0788,  
8.4377

124.2901,  
132.2915, 118.9055

 6.2617, 6.7974,  
4.2845

156.0628,  
165.9693, 151.3370

 3.0470, 3.3357,  
1.7827

192.8355,  
204.9264, 189.1867

 1.1787, 1.3094,  
0.4165

234.9733,

 0.0894, 0.1485,

249.5473, 232.8733

0.0000

282.8418,  
300.2162, 282.8151

■ 0.0000, 0.0000,  
0.0000

■ 39.8910, 42.6857,  
34.9908

■ 39.8910, 42.6857,  
34.9908

■ 37.8725, 40.8035,  
27.6742

■ 42.1546, 44.6971,  
43.5009

■ 36.0853, 39.0405,  
21.4940

■ 44.6697, 46.8360,  
53.2526

■ 34.5192, 37.3938,  
16.3927

■ 47.4467, 49.1084,  
64.2946

■ 33.1621, 35.8583,  
12.3065

■ 50.4942, 51.5179,  
76.6723

■ 32.0004, 34.4284,  
9.1649

■ 53.8205, 54.0681,  
90.4288

■ 31.0189, 33.0977,  
6.8883

■ 56.8483, 56.5280,  
102.5225

■ 30.1999, 31.8591,  
5.3842

■ 57.6472, 58.1260,  
102.7888

■ 29.5180, 30.7019,  
4.5197

■ 58.4648, 59.7611,  
103.0614

■ 29.3338, 30.3790,  
4.3177

■ 59.3010, 61.4335,  
103.3401

# Harmonies

## Analogous

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



42.1980, 42.6857, 35.5789



39.8910, 42.6857, 34.9908



37.8445, 42.6857, 37.2443

# Triad

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



39.8910, 42.6857, 34.9908



37.2045, 42.6857, 54.9361



44.8635, 42.6857, 51.2280

# Complementary

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



39.8910, 42.6857, 34.9908



32.8064, 33.5963, 48.4719

# 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.



43.4265, 42.6857, 57.1229



39.8910, 42.6857, 34.9908



38.9873, 42.6857, 59.4013

# Square

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



39.8910, 42.6857, 34.9908



36.3326, 42.6857, 48.4650



41.2596, 42.6857, 60.2374



45.1279, 42.6857, 44.5451



# Rectangle

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



39.8910, 42.6857, 34.9908



36.8821, 42.6857, 40.1933



41.2596, 42.6857, 60.2374



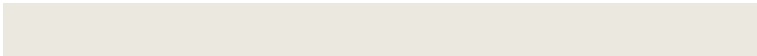
44.4990, 42.6857, 53.3847

# Sweetspot

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



39.8921, 42.6876, 34.9917



76.3807, 80.8147, 81.2933



35.9805, 34.0440, 36.2166



16.4436, 17.4109, 17.3207



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



39.8921, 42.6876, 34.9917



69.8657, 75.0000, 56.8781



38.9767, 43.9868, 35.2907



9.0546, 9.6218, 9.0325



20.2705, 21.0395, 2.9927



0.6736, 0.7337, 0.1061



# Inverse Universe

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



32.8064, 33.5963, 48.4719



54.5103, 55.2997, 86.0955



33.6049, 32.5511, 48.2281



8.1706, 8.4875, 10.7139



6.2038, 3.2080, 30.4292



0.2344, 0.1794, 0.9705



# Previews

## White Background



This preview shows how the XYZ color 39.8910, 42.6857, 34.9908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

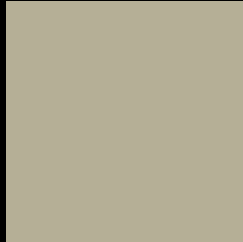
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8910, 42.6857, 34.9908 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

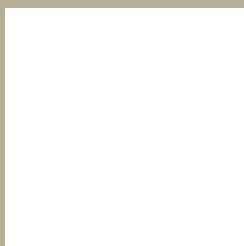
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.8910, 42.6857, 34.9908**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8910, 42.6857, 34.9908.



This preview shows how white text looks on a background with the XYZ color 39.8910, 42.6857,



# 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

39.8910, 42.6857, 34.9908

### Protanopia

40.4082, 42.6645, 34.9595

### Deuteranopia

43.4080, 42.5190, 35.1973



## Tritanopia

43.0340, 42.5244, 51.2873

# Trichromacy



## Original Color

39.8910, 42.6857, 34.9908

## Protanomaly

40.1695, 42.5414, 34.9483

## Deuteranomaly

42.1411, 42.6976, 35.2985

## Tritanomaly

41.9661, 42.6740, 45.0548

# Monochromacy



## Original Color

39.8910, 42.6857, 34.9908

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.0590, 42.3358, 41.6576

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8910, 42.6857, 34.9908 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(181, 175, 150)` looks like.

```
.text, #text, p{  
    color:rgb(181, 175, 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(181, 175, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 175, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8910, 42.6857, 34.9908 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(181, 175, 150) }
```



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

```
.border{ border-color:rgb(181, 175, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 175, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 175, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 175, 150);  
box-shadow:4px 4px 4px 4px rgb(181, 175,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8910, 42.6857, 34.9908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 175, 150) }
```

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

```
.background{ background-color: rgb(181,  
175, 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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