

# Converting Colors

XYZ(40.1366, 42.9081, 36.2080)

Have a look what the booklet for  
XYZ(40.1366, 42.9081, 36.2080)  
contains.

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# **Color**

**XYZ(40.1358, 42.7836,  
36.2797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5AF99
RGB	181, 175, 153
RGB Percent	71%, 69%, 60%
CMY	0.2902, 0.3137, 0.4000
CMYK	0.00, 0.03, 0.15, 0.29
HSL	47°, 16%, 65%
HSV	47°, 15%, 71%
XYZ	40.1358, 42.7836, 36.2797
YIQ	174.2860, 10.6380, -5.5700

# Conversions

## Conversions Part 2

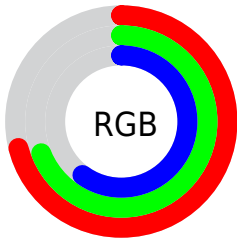
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 181, 153
Decimal	11906969
CIELab	71.41, -1.64, 12.05
CIELCh	71, 12.161, 97.751
Yxy	42.7836, 0.3367, 0.3589
Android (android.graphics.Color)	4290097049 (0xFFB5AF99)
YUV	174.2860, -10.4940, 5.8882
Hunter-Lab	65.4092, -4.9365, 12.9008

# Details

The XYZ color **40.1358, 42.7836, 36.2797** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8754, 34.9041, 48.6681**, and the grayscale version is **40.4286, 42.5340, 46.3195**.

A 20% lighter version of the original color is **74.4844, 79.1031, 70.3742**, and **18.3833, 19.7144, 15.4067** is the 20% darker color. If you saturate the color by 10%, you get **38.0096, 40.7447, 28.7465**, and if you desaturate by 10%, it is **42.5128, 44.9604, 45.0164**.

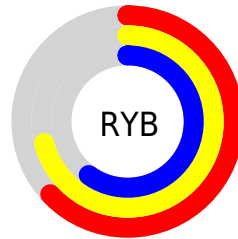
# Distribution



Red (71%)

Green (69%)

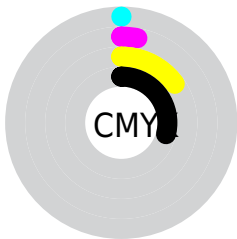
Blue (60%)



Red (63%)

Yellow (71%)

Blue (60%)

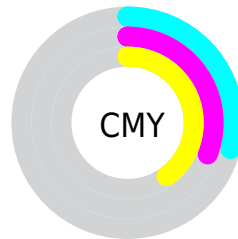


Cyan (0%)

Magenta (3%)

Yellow (15%)

Black (29%)



Cyan (29%)

Magenta (31%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1358, 42.7836, 36.2797 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 40.1358, 42.7836, 36.2797 by changing the saturation by 10% instead.





 40.1358, 42.7836,  
36.2797


 40.1358, 42.7836,  
36.2797


337.8202,  
357.7211, 345.2557

 27.8291, 29.7154,  
24.3589


 74.6533, 79.3842,  
70.6375

 18.3367, 19.6226,  
15.3854


 97.5948, 103.6854,  
93.9115

 11.2931, 12.1210,  
8.9407


124.8120,  
132.4996, 121.8070

 6.3331, 6.8262,  
4.6062

156.6702,  
166.2113, 154.7425

 3.0912, 3.3536,  
1.9635

193.5347,  
205.2050, 193.1366

 1.2022, 1.3190,  
0.5327

235.7710,

 0.1081, 0.1559,

249.8649, 237.4078

0.0000

283.7444,  
300.5754, 287.9747

■ 0.0000, 0.0000,  
0.0000

■ 40.1358, 42.7836,  
36.2797

■ 40.1358, 42.7836,  
36.2797

■ 38.0096, 40.7447,  
28.7465

■ 42.5128, 44.9604,  
45.0164

■ 36.1204, 38.8334,  
22.3603

■ 45.1468, 47.2735,  
55.0041

■ 34.4581, 37.0471,  
17.0643

■ 48.0482, 49.7288,  
66.2912

■ 33.0107, 35.3805,  
12.7957

■ 51.2257, 52.3300,  
78.9226

■ 31.7649, 33.8279,  
9.4851

■ 54.6875, 55.0807,  
92.9412

■ 30.7057, 32.3833,  
7.0548

■ 57.3602, 57.5517,  
102.6931

■ 29.8157, 31.0392,  
5.4147

■ 58.2591, 59.3496,  
102.9928

■ 29.0736, 29.7868,  
4.4526

■ 59.1809, 61.1932,  
103.3000

■ 28.7648, 29.2409,  
4.1280

■ 60.1257, 63.0829,  
103.6150

# Harmonies

## Analogous

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



42.1737, 42.7836, 36.9068



40.1358, 42.7836, 36.2797



38.3011, 42.7836, 38.2243

# Triad

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



40.1358, 42.7836, 36.2797



37.6299, 42.7836, 53.8348



44.4189, 42.7836, 50.9858

# Complementary

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



40.1358, 42.7836, 36.2797



33.8754, 34.9041, 48.6681

# 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.



43.1232, 42.7836, 56.0816



40.1358, 42.7836, 36.2797



39.1918, 42.7836, 57.8204

# Square

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



40.1358, 42.7836, 36.2797



36.8864, 42.7836, 48.1215



41.1979, 42.7836, 58.6753



44.6923, 42.7836, 45.0797



# Rectangle

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



40.1358, 42.7836, 36.2797



37.4244, 42.7836, 40.8220



41.1979, 42.7836, 58.6753



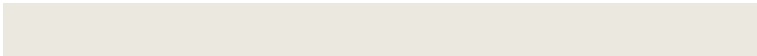
44.0864, 42.7836, 52.8643

# Sweetspot

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



40.1369, 42.7855, 36.2806



76.3122, 80.6776, 81.2704



36.7116, 35.1123, 37.6743



16.4268, 17.3773, 17.3151



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

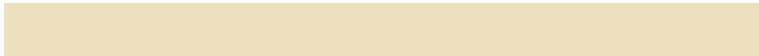


# Same Dimension

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



40.1369, 42.7855, 36.2806



70.3660, 75.1928, 59.5351



39.5224, 44.2399, 36.5937



9.0395, 9.5916, 9.0275



19.8816, 20.2617, 2.8630



0.6642, 0.7148, 0.1030



# Inverse Universe

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



33.8754, 34.9041, 48.6681



56.7346, 58.0360, 86.5064



34.4168, 33.6894, 48.4052



8.1846, 8.5154, 10.7186



6.2871, 3.3746, 30.4570



0.2402, 0.1909, 0.9724



# Previews

## White Background



This preview shows how the XYZ color 40.1358, 42.7836, 36.2797 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

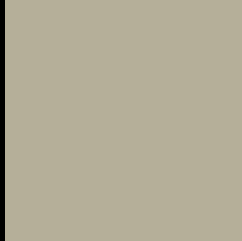
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1358, 42.7836, 36.2797 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

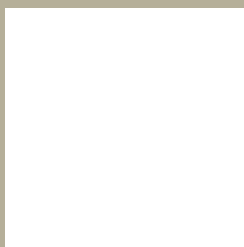
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.1358, 42.7836, 36.2797**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1358, 42.7836, 36.2797.



This preview shows how white text looks on a background with the XYZ color 40.1358, 42.7836,



# 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

40.1358, 42.7836, 36.2797

### Protanopia

40.4143, 42.6393, 36.2371

### Deuteranopia

43.3886, 42.4805, 36.4846



## Tritanopia

43.2222, 42.9008, 51.3500

# Trichromacy



## Original Color

40.1358, 42.7836, 36.2797

## Protanomaly

40.1772, 42.5171, 36.2260

## Deuteranomaly

42.1339, 42.6654, 36.5864

## Tritanomaly

42.0625, 42.7125, 45.5626

# Monochromacy



## Original Color

40.1358, 42.7836, 36.2797

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.1504, 42.3724, 42.1389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1358, 42.7836, 36.2797 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(181, 175, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 175, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1358, 42.7836, 36.2797 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, 153) }
```



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

```
.border{ border-color:rgb(181, 175, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 175, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 175, 153);  
box-shadow:4px 4px 4px 4px rgb(181, 175,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1358, 42.7836, 36.2797 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, 153) }
```

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

```
.background{ background-color: rgb(181,  
175, 153) }
```

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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