

# Converting Colors

XYZ(38.7883, 37.8299, 42.7937)

Have a look what the booklet for  
XYZ(38.7883, 37.8299, 42.7937)  
contains.

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# Color

**XYZ(38.7883, 37.8299,  
42.7937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A0A9
RGB	181, 160, 169
RGB Percent	71%, 63%, 66%
CMY	0.2902, 0.3725, 0.3373
CMYK	0.00, 0.12, 0.07, 0.29
HSL	334°, 12%, 67%
HSV	334°, 12%, 71%
XYZ	38.7883, 37.8299, 42.7937
YIQ	167.3050, 9.6270, 7.2510

# Conversions

## Conversions Part 2

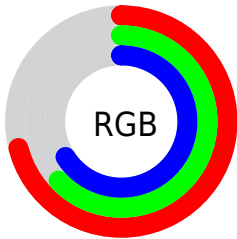
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 160, 169
Decimal	11903145
CIELab	67.90, 9.26, -1.85
CIELCh	68, 9.439, 348.679
Yxy	37.8299, 0.3248, 0.3168
Android (android.graphics.Color)	4290093225 (0xFFB5A0A9)
YUV	167.3050, 0.8356, 12.0105
Hunter-Lab	61.5060, 4.9341, 1.8023

# Details

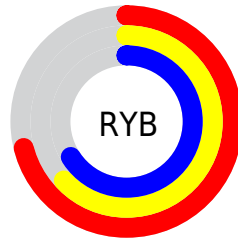
The XYZ color **38.7883, 37.8299, 42.7937** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.4689, 43.5009, 45.4007**, and the grayscale version is **36.8729, 38.7932, 42.2458**.

A 20% lighter version of the original color is **72.6800, 71.9872, 80.5853**, and **17.5816, 16.8108, 19.1478** is the 20% darker color. If you saturate the color by 10%, you get **34.9433, 31.6327, 36.9090**, and if you desaturate by 10%, it is **43.1691, 44.9749, 49.2370**.

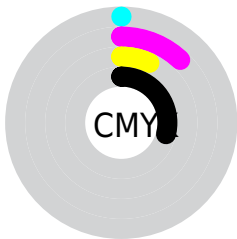
# Distribution



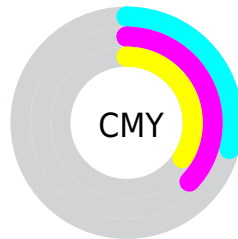
- Red (71%)
- Green (63%)
- Blue (66%)



- Red (71%)
- Yellow (63%)
- Blue (66%)



- Cyan (0%)
- Magenta (12%)
- Yellow (7%)
- Black (29%)




- Cyan (29%)
- Magenta (37%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7883, 37.8299, 42.7937 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 38.7883, 37.8299, 42.7937 by changing the saturation by 10% instead.





 38.7883, 37.8299,  
42.7937


 38.7883, 37.8299,  
42.7937


332.2123,  
336.8897, 373.6589

 26.7751, 25.8507,  
29.3931


 72.6109, 71.8473,  
80.6825

 17.5401, 16.7120,  
19.1302


 95.1511, 94.6544,  
106.0077

 10.7180, 10.0294,  
11.5867


121.9308,  
121.8395, 136.1449

 5.9434, 5.4184,  
6.3438

153.3157,  
153.7870, 171.5125

 2.8510, 2.4948,  
2.9831

189.6709,  
190.8814, 212.5292

 1.0755, 0.8740,  
1.0860

231.3618,

 0.0045, 0.0000,

233.5071, 259.6135

0.0000

278.7538,  
282.0484, 313.1839

■ 0.0000, 0.0000,  
0.0000

■ 38.7883, 37.8299,  
42.7937

■ 38.7883, 37.8299,  
42.7937

■ 34.9433, 31.6327,  
36.9090

■ 43.1691, 44.9749,  
49.2370

■ 31.6095, 26.3381,  
31.5646

■ 48.1028, 53.1002,  
56.2517

■ 28.7650, 21.9051,  
26.7447

■ 53.6093, 62.2430,  
63.8531

■ 26.3852, 18.2871,  
22.4316

■ 59.7070, 72.4372,  
72.0552

■ 24.4429, 15.4333,  
18.6066

■ 66.4132, 83.7149,  
80.8714

■ 22.9083, 13.2871,  
15.2493

■ 69.2496, 87.1172,  
88.8165

■ 21.7473, 11.7840,  
12.3378

■ 70.7550, 87.7194,  
96.7441

■ 20.9197, 10.8472,  
9.8474

■ 72.3483, 88.3567,  
105.1341

■ 20.4156, 10.3676,  
8.0500

■ 72.8663, 88.5639,  
107.8618

# Harmonies

## Analogous

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



38.1125, 37.8299, 46.7474



38.7883, 37.8299, 42.7937



38.6900, 37.8299, 38.6614

# Triad

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



38.7883, 37.8299, 42.7937



35.0620, 37.8299, 34.0138



34.1289, 37.8299, 47.5480

# Complementary

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



38.7883, 37.8299, 42.7937



38.4689, 43.5009, 45.4007

# 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.



33.3543, 37.8299, 43.8272



38.7883, 37.8299, 42.7937



33.8828, 37.8299, 36.0921

# Square

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



38.7883, 37.8299, 42.7937



36.5118, 37.8299, 33.7786



33.2654, 37.8299, 39.6275



35.4063, 37.8299, 49.6139



# Rectangle

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



38.7883, 37.8299, 42.7937



38.1993, 37.8299, 36.3536



33.2654, 37.8299, 39.6275



33.8026, 37.8299, 46.4381

# Sweetspot

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



38.7894, 37.8316, 42.7945



76.1163, 78.5860, 86.4458



37.9040, 37.2389, 48.9067



16.3106, 16.7547, 18.4791



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.



38.7894, 37.8316, 42.7945



67.5650, 64.6698, 73.7717



38.2174, 37.9933, 38.5788



8.6425, 8.5637, 9.6157



14.1073, 7.1605, 5.7250



0.4733, 0.2371, 0.3352



# Inverse Universe

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



38.7894, 37.8316, 42.7945



67.5650, 64.6698, 73.7717



39.0795, 43.2920, 50.0131



8.6425, 8.5637, 9.6157



14.1073, 7.1605, 5.7250



0.4733, 0.2371, 0.3352



# Previews

## White Background



This preview shows how the XYZ color 38.7883, 37.8299, 42.7937 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 38.7883, 37.8299, 42.7937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

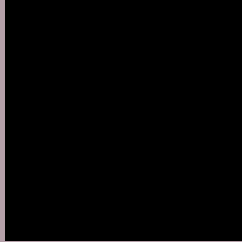
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.7883, 37.8299, 42.7937**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7883, 37.8299, 42.7937.



This preview shows how white text looks on a background with the XYZ color 38.7883, 37.8299,



# 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

38.7883, 37.8299, 42.7937

### Protanopia

36.8379, 38.1043, 44.4430

### Deuteranopia

38.5546, 37.7095, 42.7827



## Tritanopia

39.0733, 37.9439, 44.2943

# Trichromacy



## Original Color

38.7883, 37.8299, 42.7937

## Protanomaly

37.4611, 37.9053, 43.8701

## Deuteranomaly

38.5546, 37.7095, 42.7827

## Tritanomaly

38.9775, 37.9056, 43.7903

# Monochromacy



## Original Color

38.7883, 37.8299, 42.7937

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.3566, 38.1487, 42.4403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7883, 37.8299, 42.7937 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, 160, 169)` looks like.

```
.text, #text, p{  
    color:rgb(181, 160, 169)  
}
```

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, 160, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 160, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7883, 37.8299, 42.7937 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, 160, 169) }
```



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

```
.border{ border-color:rgb(181, 160, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 160, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 160, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 160, 169);  
box-shadow:4px 4px 4px 4px rgb(181, 160,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7883, 37.8299, 42.7937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 160, 169) }
```

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

```
.background{ background-color: rgb(181,  
160, 169) }
```

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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