

Converting Colors

XYZ(38.7903, 41.8021, 36.1611)

Have a look what the booklet for
XYZ(38.7903, 41.8021, 36.1611)
contains.

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Color

**XYZ(38.7903, 41.8021,
36.1611)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AE99
RGB	176, 174, 153
RGB Percent	69%, 68%, 60%
CMY	0.3098, 0.3176, 0.4000
CMYK	0.00, 0.01, 0.13, 0.31
HSL	55°, 13%, 65%
HSV	55°, 13%, 69%
XYZ	38.7903, 41.8021, 36.1611
YIQ	172.2040, 7.9330, -6.1070

Conversions

Conversions Part 2

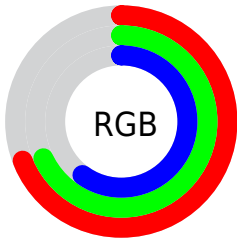
Format	Color
RYB	155, 176, 153
Decimal	11579033
CIELab	70.73, -2.98, 11.04
CIELCh	71, 11.434, 105.088
Yxy	41.8021, 0.3322, 0.3580
Android (android.graphics.Color)	4289769113 (0xFFB0AE99)
YUV	172.2040, -9.4676, 3.3291
Hunter-Lab	64.6545, -6.0521, 12.0975

Details

The XYZ color **38.7903, 41.8021, 36.1611** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.6946, 33.3489, 45.7884**, and the grayscale version is **39.3605, 41.4103, 45.0959**.

A 20% lighter version of the original color is **72.5605, 77.6994, 70.2046**, and **17.5262, 19.0893, 15.3313** is the 20% darker color. If you saturate the color by 10%, you get **37.1496, 40.6776, 28.9636**, and if you desaturate by 10%, it is **40.6511, 43.0227, 44.4908**.

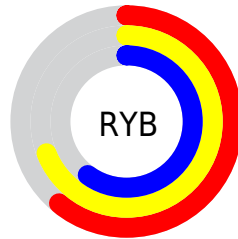
Distribution



Red (69%)

Green (68%)

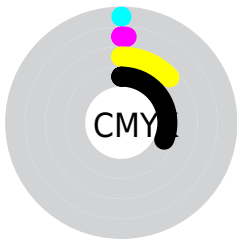
Blue (60%)



Red (61%)

Yellow (69%)

Blue (60%)

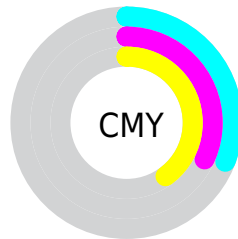


Cyan (0%)

Magenta (1%)

Yellow (13%)

Black (31%)



Cyan (31%)

Magenta (32%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7903, 41.8021, 36.1611 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 38.7903, 41.8021, 36.1611 by changing the saturation by 10% instead.

■ 38.7903, 41.8021,
36.1611

■ 38.7903, 41.8021,
36.1611

332.2206,
353.6619, 344.7228

■ 26.7766, 28.9464,
24.2680

■ 72.6140, 77.9000,
70.4525

■ 17.5412, 19.0402,
15.3185

■ 95.1547, 101.9110,
93.6878

■ 10.7188, 11.6994,
8.8941

121.9351,
130.4092, 121.5410

■ 5.9440, 6.5393,
4.5763

153.3207,
163.7790, 154.4305

■ 2.8514, 3.1757,
1.9465

189.6766,
202.4047, 192.7749

■ 1.0757, 1.2241,
0.5221

231.3684,

■ 0.0046, 0.0813,

246.6709, 236.9927

0.0000

278.7613,
296.9618, 287.5025

■ 0.0000, 0.0000,
0.0000

■ 38.7903, 41.8021,
36.1611

■ 38.7903, 41.8021,
36.1611

■ 37.1496, 40.6776,
28.9636

■ 40.6511, 43.0227,
44.4908

■ 35.7162, 39.6401,
22.8465

■ 42.7374, 44.3376,
53.9964

■ 34.4812, 38.6872,
17.7577

■ 45.0586, 45.7518,
64.7223

■ 33.4337, 37.8147,
13.6399

■ 47.6226, 47.2685,
76.7100

■ 32.5617, 37.0176,
10.4301

■ 50.4369, 48.8908,
89.9989

■ 31.8519, 36.2907,
8.0580

■ 52.9233, 50.3874,
101.5441

■ 31.2889, 35.6279,
6.4428

■ 53.2405, 51.0218,
101.6499

■ 30.8544, 35.0216,
5.4879

■ 53.5611, 51.6631,
101.7567

■ 30.6014, 34.6237,
5.0702

■ 53.8852, 52.3112,
101.8648

Harmonies

Analogous

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



40.6771, 41.8021, 36.1540



38.7903, 41.8021, 36.1611



37.2056, 41.8021, 38.5352

Triad

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



38.7903, 41.8021, 36.1611



37.2131, 41.8021, 53.3164



43.3593, 41.8021, 48.2552

Complementary

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



38.7903, 41.8021, 36.1611



32.6946, 33.3489, 45.7884

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.



42.3695, 41.8021, 53.2913



38.7903, 41.8021, 36.1611



38.8009, 41.8021, 56.3675

Square

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



38.7903, 41.8021, 36.1611



36.3149, 41.8021, 48.2873



40.6881, 41.8021, 56.3579



43.3563, 41.8021, 42.8516

Rectangle

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



38.7903, 41.8021, 36.1611



36.5163, 41.8021, 41.2579



40.6881, 41.8021, 56.3579



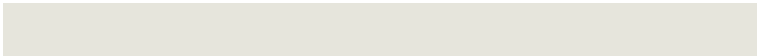
43.1304, 41.8021, 50.0562

Sweetspot

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



38.7914, 41.8039, 36.1620



73.3708, 77.7992, 79.0822



35.2378, 34.3898, 35.9238



15.8442, 16.8239, 16.8838



84.5950, 89.0005, 96.9216



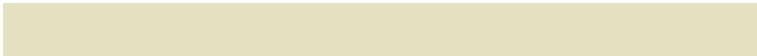
16.2198, 17.0645, 18.5832

Same Dimension

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



38.7914, 41.8039, 36.1620



69.3555, 75.1438, 61.1723



37.1697, 41.5447, 36.1974



9.1327, 9.7780, 9.0585



22.4741, 25.4468, 3.7272



0.7255, 0.8373, 0.1234

Inverse Universe

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



32.6946, 33.3489, 45.7884



55.8816, 56.4587, 82.4476



34.1692, 33.6200, 45.7630



8.0993, 8.3448, 10.6902



5.8973, 2.5950, 30.3270



0.2049, 0.1204, 0.9607

Previews

White Background



This preview shows how the XYZ color 38.7903, 41.8021, 36.1611 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 38.7903, 41.8021, 36.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

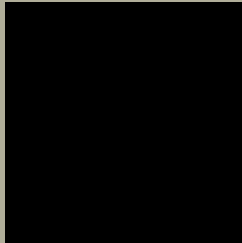
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

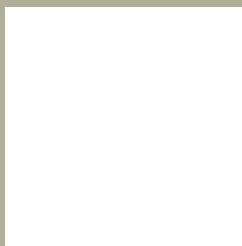
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7903, 41.8021, 36.1611

Background



This preview shows how black text looks on a background with the XYZ color 38.7903, 41.8021, 36.1611.



This preview shows how white text looks on a background with the XYZ color 38.7903, 41.8021,

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

38.7903, 41.8021, 36.1611

Protanopia

39.4761, 41.5958, 35.6539

Deuteranopia

42.4164, 41.7063, 36.3864



Tritanopia

41.7444, 41.8716, 50.6816

Trichromacy



Original Color

38.7903, 41.8021, 36.1611

Protanomaly

39.2015, 41.7378, 35.6958

Deuteranomaly

41.1937, 41.9014, 36.4885

Tritanomaly

40.5997, 41.6881, 44.9365

Monochromacy



Original Color

38.7903, 41.8021, 36.1611

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.9687, 41.4880, 41.5514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7903, 41.8021, 36.1611 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(176, 174, 153)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 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(176, 174, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 153) }
```

Border

The CSS property to change the border of an element to XYZ 38.7903, 41.8021, 36.1611 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(176, 174, 153) }
```


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

```
.border{ border-color:rgb(176, 174, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 153);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7903, 41.8021, 36.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 153) }
```

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

```
.background{ background-color: rgb(176,  
174, 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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