

Converting Colors

XYZ(38.7144, 42.2609, 36.8010)

Have a look what the booklet for
XYZ(38.7144, 42.2609, 36.8010)
contains.

XYZ(38.8136, 42.3824, 36.7068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8136, 42.3824,
36.7068)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB09A
RGB	174, 176, 154
RGB Percent	68%, 69%, 60%
CMY	0.3176, 0.3098, 0.3961
CMYK	0.01, 0.00, 0.13, 0.31
HSL	65°, 12%, 65%
HSV	65°, 13%, 69%
XYZ	38.8136, 42.3824, 36.7068
YIQ	172.8940, 5.8700, -7.2660

Conversions

Conversions Part 2

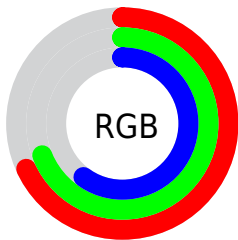
Format	Color
RYB	154, 176, 156
Decimal	11448474
CIELab	71.13, -4.62, 11.04
CIELCh	71, 11.965, 112.735
Yxy	42.3824, 0.3292, 0.3595
Android (android.graphics.Color)	4289638554 (0xFFAEB09A)
YUV	172.8940, -9.3147, 0.9700
Hunter-Lab	65.1018, -7.5066, 12.1413

Details

The XYZ color **38.8136, 42.3824, 36.7068** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.1040, 33.3149, 45.7622**, and the grayscale version is **39.7113, 41.7793, 45.4977**.

A 20% lighter version of the original color is **72.8749, 79.0903, 71.0995**, and **17.6819, 19.5322, 15.6701** is the 20% darker color. If you saturate the color by 10%, you get **37.0994, 41.6571, 29.5275**, and if you desaturate by 10%, it is **40.7493, 43.1996, 45.0202**.

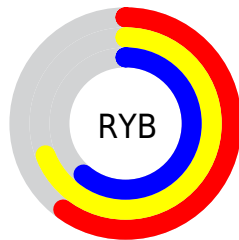
Distribution



Red (68%)

Green (69%)

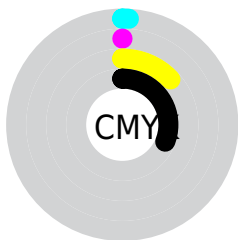
Blue (60%)



Red (60%)

Yellow (69%)

Blue (61%)

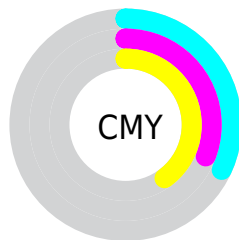


Cyan (1%)

Magenta (0%)

Yellow (13%)

Black (31%)



Cyan (32%)

Magenta (31%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8136, 42.3824, 36.7068 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 38.8136, 42.3824, 36.7068 by changing the saturation by 10% instead.

■ 38.8136, 42.3824,
36.7068

■ 38.8136, 42.3824,
36.7068

332.3182,
356.0657, 347.1698

■ 26.7948, 29.4008,
24.6866

■ 72.6494, 78.7780,
71.3029

■ 17.5550, 19.3843,
15.6268

■ 95.1971, 102.9609,
94.7158

■ 10.7287, 11.9483,
9.1090

121.9851,
131.6463, 122.7634

■ 5.9507, 6.7085,
4.7145

153.3789,
165.2187, 155.8641

■ 2.8555, 3.2804,
2.0250

189.7437,
204.0625, 194.4366

■ 1.0778, 1.2798,
0.5706

231.4450,

■ 0.0064, 0.1255,

248.5619, 238.8993

0.0000

278.8480,
299.1015, 289.6709

■ 0.0000, 0.0000,
0.0000

■ 38.8136, 42.3824,
36.7068

■ 38.8136, 42.3824,
36.7068

■ 37.0994, 41.6571,
29.5275

■ 40.7493, 43.1996,
45.0202

■ 35.5940, 41.0144,
23.4306

■ 42.9119, 44.1066,
54.5111

■ 34.2884, 40.4522,
18.3643

■ 45.3108, 45.1087,
65.2238

■ 33.1720, 39.9661,
14.2714

■ 47.9539, 46.2089,
77.1998

■ 32.2326, 39.5513,
11.0895

■ 50.8486, 47.4102,
90.4783

■ 31.4572, 39.2025,
8.7485

■ 53.2518, 48.4155,
101.1462

■ 30.8303, 38.9137,
7.1686

■ 53.6369, 48.6141,
101.1642

■ 30.3340, 38.6776,
6.2542

■ 54.0264, 48.8148,
101.1824

■ 30.0187, 38.5235,
5.8536

■ 54.4203, 49.0179,
101.2009

Harmonies

Analogous

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



40.7720, 42.3824, 36.0513



38.8136, 42.3824, 36.7068



37.2963, 42.3824, 39.7878

Triad

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



38.8136, 42.3824, 36.7068



37.9968, 42.3824, 55.4899



44.2241, 42.3824, 47.5557

Complementary

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



38.8136, 42.3824, 36.7068



33.1040, 33.3149, 45.7622

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.



43.4254, 42.3824, 53.1505



38.8136, 42.3824, 36.7068



39.7983, 42.3824, 57.9713

Square

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



38.8136, 42.3824, 36.7068



36.8357, 42.3824, 50.5408



41.7894, 42.3824, 57.0816



43.9393, 42.3824, 42.0160

Rectangle

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



38.8136, 42.3824, 36.7068



36.7175, 42.3824, 42.9516



41.7894, 42.3824, 57.0816



44.0726, 42.3824, 49.4976

Sweetspot

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



38.8147, 42.3843, 36.7077



73.3246, 78.1028, 79.1433



35.5991, 35.2854, 35.5070



15.8323, 16.9016, 16.8994



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.



38.8147, 42.3843, 36.7077



69.4953, 76.4871, 62.7749



36.4980, 41.1899, 36.5993



9.1192, 9.8666, 9.0763



22.0499, 28.2772, 4.2959



0.7159, 0.9011, 0.1362

Inverse Universe

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



33.1040, 33.3149, 45.7622



57.0888, 56.7833, 82.4467



35.2946, 34.4441, 45.8647



8.1114, 8.2659, 10.6743



5.9298, 2.3927, 30.2863



0.2100, 0.0873, 0.9540

Previews

White Background



This preview shows how the XYZ color 38.8136, 42.3824, 36.7068 looks on a white background.

Color Contrast Check

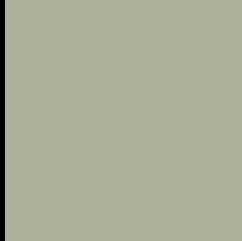
Large Text (above 18pt) WCAG AA × Fail

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 38.8136, 42.3824, 36.7068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

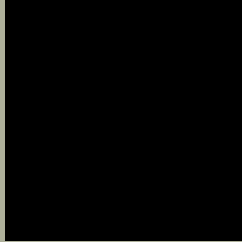
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

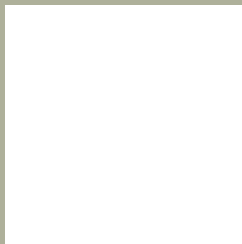
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8136, 42.3824, 36.7068

Background



This preview shows how black text looks on a background with the XYZ color 38.8136, 42.3824, 36.7068.



This preview shows how white text looks on a background with the XYZ color 38.8136, 42.3824,

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

38.8136, 42.3824, 36.7068

Protanopia

40.1772, 42.5171, 36.2260

Deuteranopia

43.2921, 42.4113, 37.3570



Tritanopia

41.8696, 42.4728, 51.8902

Trichromacy



Original Color

38.8136, 42.3824, 36.7068

Protanomaly

39.6701, 42.5436, 36.2579

Deuteranomaly

41.4656, 42.3112, 36.9918

Tritanomaly

40.7150, 42.2902, 46.0613

Monochromacy



Original Color

38.8136, 42.3824, 36.7068

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2526, 41.9095, 42.0969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8136, 42.3824, 36.7068 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(174, 176, 154)` looks like.

```
.text, #text, p{  
    color:rgb(174, 176, 154)  
}
```

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(174, 176, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 176, 154) }
```

Border

The CSS property to change the border of an element to XYZ 38.8136, 42.3824, 36.7068 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(174, 176, 154) }
```


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

```
.border{ border-color:rgb(174, 176, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 176, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 176, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 176, 154);  
box-shadow:4px 4px 4px 4px rgb(174, 176,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8136, 42.3824, 36.7068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 176, 154) }
```

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

```
.background{ background-color: rgb(174,  
176, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor