

Converting Colors

XYZ(38.6442, 41.7643, 37.2778)

Have a look what the booklet for
XYZ(38.6442, 41.7643, 37.2778)
contains.

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Color

**XYZ(38.5924, 41.6711,
37.4618)**

Conversions

Conversions Part 1

Format	Color
Hex	AEAE9C
RGB	174, 174, 156
RGB Percent	68%, 68%, 61%
CMY	0.3176, 0.3176, 0.3882
CMYK	0.00, 0.00, 0.10, 0.32
HSL	60°, 10%, 65%
HSV	60°, 10%, 68%
XYZ	38.5924, 41.6711, 37.4618
YIQ	171.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

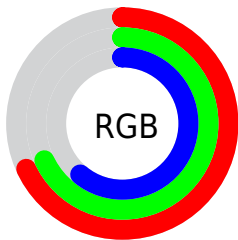
Format	Color
RYB	156, 174, 156
Decimal	11447964
CIELab	70.64, -3.22, 9.24
CIELCh	71, 9.786, 109.192
Yxy	41.6711, 0.3278, 0.3540
Android (android.graphics.Color)	4289638044 (0xFFFAEAE9C)
YUV	171.9480, -7.8624, 1.7996
Hunter-Lab	64.5532, -6.2537, 10.7797

Details

The XYZ color **38.5924, 41.6711, 37.4618** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2404, 33.9020, 44.8384**, and the grayscale version is **39.2238, 41.2665, 44.9392**.

A 20% lighter version of the original color is **72.2853, 77.5148, 72.1248**, and **17.5354, 19.0766, 16.1225** is the 20% darker color. If you saturate the color by 10%, you get **37.2230, 41.1246, 30.2495**, and if you desaturate by 10%, it is **40.1752, 42.3057, 45.7877**.

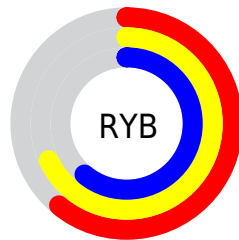
Distribution



Red (68%)

Green (68%)

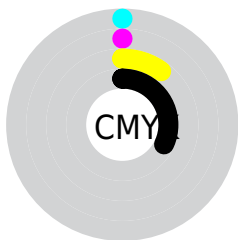
Blue (61%)



Red (61%)

Yellow (68%)

Blue (61%)

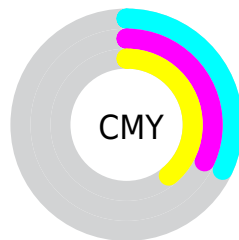


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (32%)



Cyan (32%)

Magenta (32%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5924, 41.6711, 37.4618 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 38.5924, 41.6711, 37.4618 by changing the saturation by 10% instead.

■ 38.5924, 41.6711,
37.4618

■ 38.5924, 41.6711,
37.4618

331.3915,
353.1177, 350.5343

■ 26.6221, 28.8438,
25.2667

■ 72.3133, 77.7016,
72.4767

■ 17.4247, 18.9627,
16.0550

■ 94.7946, 101.6736,
96.1336

■ 10.6349, 11.6433,
9.4083

121.5102,
130.1294, 124.4481

■ 5.8874, 6.5013,
4.9080

152.8256,
163.4533, 157.8388

■ 2.8167, 3.1522,
2.1356

189.1061,
202.0296, 196.7242

■ 1.0576, 1.2117,
0.6368

230.7170,

■ 0.0000, 0.0712,

246.2429, 241.5229

0.0000

278.0237,
296.4775, 292.6534

■ 0.0000, 0.0000,
0.0000

■ 38.5924, 41.6711,
37.4618

■ 38.5924, 41.6711,
37.4618

■ 37.2230, 41.1246,
30.2495

■ 40.1752, 42.3057,
45.7877

■ 36.0547, 40.6572,
24.1010

■ 41.9764, 43.0262,
55.2687

■ 35.0790, 40.2668,
18.9669

■ 44.0050, 43.8378,
65.9476

■ 34.2855, 39.9494,
14.7927

■ 46.2687, 44.7433,
77.8640

■ 33.6631, 39.7003,
11.5188

■ 48.7746, 45.7458,
91.0560

■ 33.1990, 39.5146,
9.0789

■ 50.6471, 46.4949,
100.9128

■ 32.8790, 39.3865,
7.3979

■ 50.6479, 46.4953,
100.9128

■ 32.6863, 39.3093,
6.3868

■ 50.6486, 46.4957,
100.9128

■ 32.5860, 39.2691,
5.8622

■ 50.6494, 46.4960,
100.9129

Harmonies

Analogous

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



40.1938, 41.6711, 37.1656



38.5924, 41.6711, 37.4618



37.2969, 41.6711, 39.7913

Triad

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



38.5924, 41.6711, 37.4618



37.6070, 41.6711, 52.4621



42.7448, 41.6711, 47.0654

Complementary

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



38.5924, 41.6711, 37.4618



33.2404, 33.9020, 44.8384

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.



42.0108, 41.6711, 51.4531



38.5924, 41.6711, 37.4618



39.0262, 41.6711, 54.7070

Square

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



38.5924, 41.6711, 37.4618



36.7389, 41.6711, 48.3676



40.6395, 41.6711, 54.3257



42.6209, 41.6711, 42.5041

Rectangle

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



38.5924, 41.6711, 37.4618



36.7674, 41.6711, 42.2783



40.6395, 41.6711, 54.3257



42.5894, 41.6711, 48.6146

Sweetspot

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



38.5935, 41.6729, 37.4627



72.0548, 76.4082, 78.7590



35.3461, 35.1769, 36.3800



15.9627, 16.9617, 17.2302



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.



38.5935, 41.6729, 37.4627



69.5087, 75.3896, 65.3579



36.6554, 40.6738, 37.3720



8.6625, 9.3301, 8.5577



23.6336, 28.4806, 4.2517



0.6575, 0.7923, 0.1183

Inverse Universe

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



33.2404, 33.9020, 44.8384



58.1918, 58.9614, 80.9505



35.0468, 34.8332, 44.9230



7.5791, 7.7573, 10.0505



5.5417, 2.2167, 29.1803



0.1542, 0.0617, 0.8118

Previews

White Background



This preview shows how the XYZ color 38.5924, 41.6711, 37.4618 looks on a white background.

Color Contrast Check

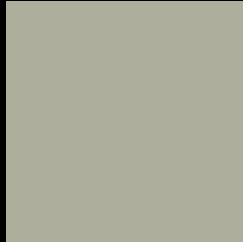
Large Text (above 18pt) WCAG AA × Fail

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 38.5924, 41.6711, 37.4618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

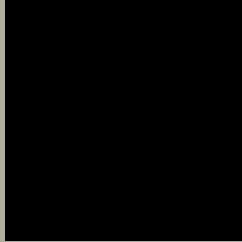
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

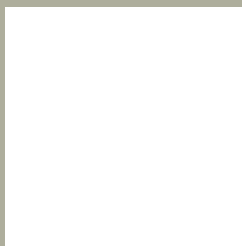
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5924, 41.6711, 37.4618

Background



This preview shows how black text looks on a background with the XYZ color 38.5924, 41.6711, 37.4618.



This preview shows how white text looks on a background with the XYZ color 38.5924, 41.6711,

37.4618.

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

38.5924, 41.6711, 37.4618

Protanopia

39.4913, 41.5749, 36.9537

Deuteranopia

42.4102, 41.6739, 37.7069



Tritanopia

41.2821, 41.6333, 50.6600

Trichromacy



Original Color

38.5924, 41.6711, 37.4618

Protanomaly

39.2201, 41.7187, 36.9957

Deuteranomaly

40.9540, 41.7486, 37.7981

Tritanomaly

40.2372, 41.4901, 45.4228

Monochromacy



Original Color

38.5924, 41.6711, 37.4618

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0601, 41.5246, 42.0327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5924, 41.6711, 37.4618 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, 174, 156)` looks like.

```
.text, #text, p{  
    color:rgb(174, 174, 156)  
}
```

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, 174, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 174, 156) }
```

Border

The CSS property to change the border of an element to XYZ 38.5924, 41.6711, 37.4618 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, 174, 156) }
```


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

```
.border{ border-color:rgb(174, 174, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 174, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 174, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 174, 156);  
box-shadow:4px 4px 4px 4px rgb(174, 174,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5924, 41.6711, 37.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 174, 156) }
```

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

```
.background{ background-color: rgb(174,  
174, 156) }
```

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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