

Converting Colors

XYZ(38.6051, 40.8337, 42.8774)

Have a look what the booklet for
XYZ(38.6051, 40.8337, 42.8774)
contains.

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Color

**XYZ(38.4254, 40.6109,
42.8592)**

Conversions

Conversions Part 1

Format	Color
Hex	ABABA8
RGB	171, 171, 168
RGB Percent	67%, 67%, 66%
CMY	0.3294, 0.3294, 0.3412
CMYK	0.00, 0.00, 0.02, 0.33
HSL	60°, 2%, 66%
HSV	60°, 2%, 67%
XYZ	38.4254, 40.6109, 42.8592
YIQ	170.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

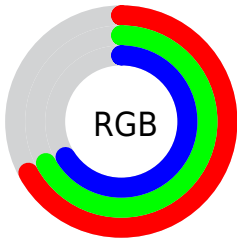
Format	Color
RYB	168, 171, 168
Decimal	11250600
CIELab	69.90, -0.56, 1.53
CIELCh	70, 1.631, 109.976
Yxy	40.6109, 0.3152, 0.3332
Android (android.graphics.Color)	4289440680 (0xFFABABA8)
YUV	170.6580, -1.3104, 0.2999
Hunter-Lab	63.7267, -3.8912, 4.7334

Details

The XYZ color **38.4254, 40.6109, 42.8592** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5032, 39.2714, 44.1337**, and the grayscale version is **38.5442, 40.5515, 44.1606**.

A 20% lighter version of the original color is **71.8797, 75.8892, 80.6716**, and **17.3570, 18.3765, 19.1552** is the 20% darker color. If you saturate the color by 10%, you get **36.9328, 40.0147, 35.0130**, and if you desaturate by 10%, it is **40.1298, 41.2944, 51.8107**.

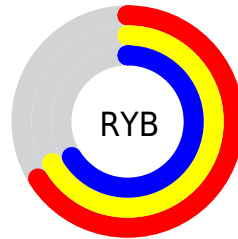
Distribution



Red (67%)

Green (67%)

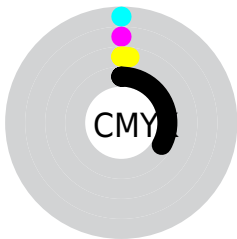
Blue (66%)



Red (66%)

Yellow (67%)

Blue (66%)

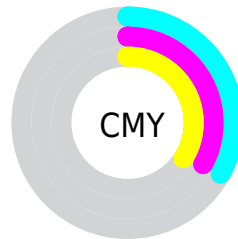


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4254, 40.6109, 42.8592 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 38.4254, 40.6109, 42.8592 by changing the saturation by 10% instead.

■ 38.4254, 40.6109,
42.8592

■ 38.4254, 40.6109,
42.8592

330.6907,
348.6917, 373.9366

■ 26.4917, 28.0152,
29.4441

■ 72.0594, 76.0929,
80.7824

■ 17.3265, 18.3371,
19.1685

94.4904, 99.7479,
106.1276

■ 10.5643, 11.1923,
11.6141

121.1513,
127.8582, 136.2865

■ 5.8398, 6.1963,
6.3621

152.4074,
160.8081, 171.6778

■ 2.7876, 2.9648,
2.9942

188.6240,
198.9820, 212.7199

■ 1.0425, 1.1134,
1.0917

230.1665,

■ 0.0000, 0.0000,

242.7643, 259.8313

0.0000

277.4003,
292.5394, 313.4307

■ 38.4254, 40.6109,
42.8592

■ 38.4254, 40.6109,
42.8592

■ 36.9328, 40.0147,
35.0130

■ 40.1298, 41.2944,
51.8107

■ 35.6405, 39.4974,
28.2266

■ 42.0504, 42.0630,
61.9053

■ 34.5410, 39.0572,
22.4555

■ 44.1954, 42.9214,
73.1821

■ 33.6250, 38.6904,
17.6510

■ 46.5719, 43.8725,
85.6777

■ 32.8826, 38.3930,
13.7601

■ 49.1865, 44.9187,
99.4271

■ 32.3027, 38.1606,
10.7250

■ 49.4302, 45.0166,
100.6916

■ 31.8730, 37.9883,
8.4813

■ 49.4338, 45.0185,
100.6917

■ 31.5797, 37.8706,
6.9554

■ 49.4374, 45.0203,
100.6919

■ 31.4061, 37.8007,
6.0599

■ 49.4410, 45.0222,
100.6921

Harmonies

Analogous

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



38.6883, 40.6109, 42.7950



38.4254, 40.6109, 42.8592



38.2100, 40.6109, 43.2853

Triad

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



38.4254, 40.6109, 42.8592



38.2722, 40.6109, 45.3468



39.1041, 40.6109, 44.4732

Complementary

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



38.4254, 40.6109, 42.8592



37.5032, 39.2714, 44.1337

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.



38.9915, 40.6109, 45.1648



38.4254, 40.6109, 42.8592



38.5107, 40.6109, 45.6730

Square

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



38.4254, 40.6109, 42.8592



38.1219, 40.6109, 44.7194



38.7740, 40.6109, 45.6060



39.0810, 40.6109, 43.7210

Rectangle

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



38.4254, 40.6109, 42.8592



38.1220, 40.6109, 43.7199



38.7740, 40.6109, 45.6060



39.0808, 40.6109, 44.7206

Sweetspot

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



38.4265, 40.6127, 42.8601



69.0286, 72.8163, 77.8713



37.8663, 39.4913, 42.6732



15.3972, 16.2398, 17.3845



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



38.4265, 40.6127, 42.8601



68.7366, 72.6994, 76.3372



38.1019, 40.4453, 42.8449



8.9247, 9.4350, 9.9380



23.6121, 28.4695, 4.2507



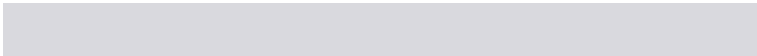
0.6571, 0.7921, 0.1183

Inverse Universe

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



37.5032, 39.2714, 44.1337



66.8236, 69.9205, 78.9759



37.8242, 39.4368, 44.1487



8.6973, 9.1047, 10.2517



5.5432, 2.2175, 29.1804



0.1544, 0.0618, 0.8118

Previews

White Background



This preview shows how the XYZ color 38.4254, 40.6109, 42.8592 looks on a white background.

Color Contrast Check

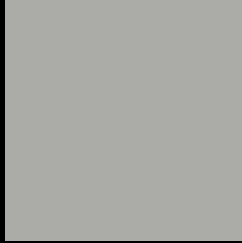
Large Text (above 18pt) WCAG AA × Fail

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 38.4254, 40.6109, 42.8592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

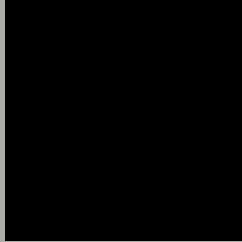
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4254, 40.6109, 42.8592

Background



This preview shows how black text looks on a background with the XYZ color 38.4254, 40.6109, 42.8592.

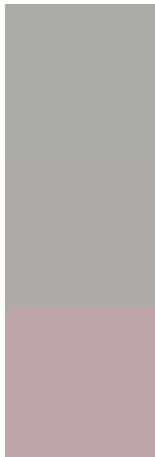


This preview shows how white text looks on a background with the XYZ color 38.4254, 40.6109,

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

38.4254, 40.6109, 42.8592

Protanopia

38.8053, 40.5381, 42.3386

Deuteranopia

41.3556, 40.4662, 43.1672



Tritanopia

39.8650, 40.6376, 49.9987

Trichromacy



Original Color

38.4254, 40.6109, 42.8592

Protanomaly

38.5834, 40.4237, 42.3282

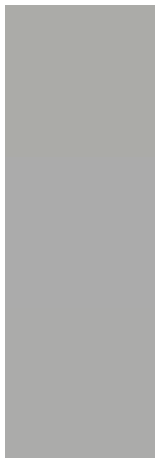
Deuteranomaly

40.2716, 40.4471, 43.2206

Tritanomaly

39.3238, 40.6944, 47.3772

Monochromacy



Original Color

38.4254, 40.6109, 42.8592

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6132, 40.6860, 43.8483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4254, 40.6109, 42.8592 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(171, 171, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 168)  
}
```

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(171, 171, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 168) }
```

Border

The CSS property to change the border of an element to XYZ 38.4254, 40.6109, 42.8592 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(171, 171, 168) }
```


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

```
.border{ border-color:rgb(171, 171, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4254, 40.6109, 42.8592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 168) }
```

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

```
.background{ background-color: rgb(171,  
171, 168) }
```

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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