

Converting Colors

XYZ(38.3802, 40.7494, 45.5675)

Have a look what the booklet for
XYZ(38.3802, 40.7494, 45.5675)
contains.

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Color

**XYZ(38.4438, 40.8470,
45.3932)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ACAD
RGB	168, 172, 173
RGB Percent	66%, 67%, 68%
CMY	0.3412, 0.3255, 0.3216
CMYK	0.03, 0.01, 0.00, 0.32
HSL	192°, 3%, 67%
HSV	192°, 3%, 68%
XYZ	38.4438, 40.8470, 45.3932
YIQ	170.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

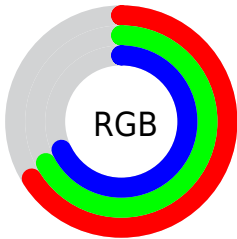
Format	Color
RYB	168, 170, 173
Decimal	11054253
CIELab	70.07, -1.21, -1.01
CIELCh	70, 1.582, 219.853
Yxy	40.8470, 0.3083, 0.3276
Android (android.graphics.Color)	4289244333 (0xFFA8ACAD)
YUV	170.9180, 1.0264, -2.5591
Hunter-Lab	63.9117, -4.4750, 2.6275

Details

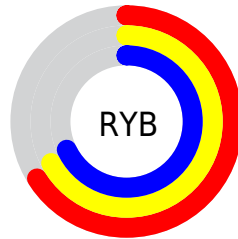
The XYZ color **38.4438, 40.8470, 45.3932** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.4895, 40.0869, 42.7554**, and the grayscale version is **38.6645, 40.6780, 44.2984**.

A 20% lighter version of the original color is **71.9041, 76.2276, 84.3224**, and **17.3701, 18.5264, 20.7496** is the 20% darker color. If you saturate the color by 10%, you get **34.3552, 37.7782, 45.0170**, and if you desaturate by 10%, it is **43.0419, 44.2061, 45.7998**.

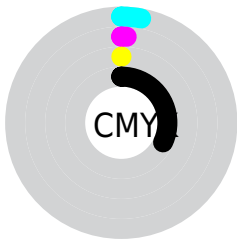
Distribution



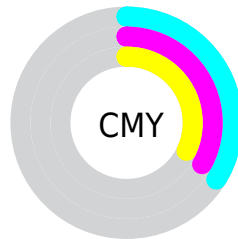
- Red (66%)
- Green (67%)
- Blue (68%)



- Red (66%)
- Yellow (67%)
- Blue (68%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (32%)



- Cyan (34%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4438, 40.8470, 45.3932 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 38.4438, 40.8470, 45.3932 by changing the saturation by 10% instead.

■ 38.4438, 40.8470,
45.3932

■ 38.4438, 40.8470,
45.3932

330.7680,
349.6807, 384.5702

■ 26.5061, 28.1996,
31.4220

■ 72.0874, 76.4516,
84.6348

■ 17.3373, 18.4761,
20.6593

■ 94.5240, 100.1775,
110.7424

■ 10.5721, 11.2924,
12.6864

121.1909,
128.3650, 141.7325

■ 5.8450, 6.2638,
7.0848

152.4535,
161.3986, 178.0237

■ 2.7908, 3.0062,
3.4359

188.6772,
199.6625, 220.0345

■ 1.0441, 1.1350,
1.3213

230.2272,

■ 0.0000, 0.0076,

243.5413, 268.1835

0.0791

277.4690,
293.4192, 322.8892

■ 0.0000, 0.0000,
0.0000

■ 38.4438, 40.8470,
45.3932

■ 38.4438, 40.8470,
45.3932

■ 34.3552, 37.7782,
45.0170

■ 43.0419, 44.2061,
45.7998

■ 30.7531, 34.9841,
44.6675

■ 48.1641, 47.8597,
46.2351

■ 27.6182, 32.4559,
44.3447

■ 53.8290, 51.8188,
46.7007

■ 24.9284, 30.1818,
44.0476

■ 60.0532, 56.0920,
47.1975

■ 22.6597, 28.1493,
43.7748

■ 66.8524, 60.6878,
47.7262

■ 20.7858, 26.3448,
43.5253

■ 67.7878, 62.2868,
47.9855

■ 19.2775, 24.7528,
43.2975

■ 68.5579, 63.8271,
48.2422

■ 18.1011, 23.3560,
43.0899

■ 69.3459, 65.4032,
48.5049

■ 17.2167, 22.1333,
42.9005

■ 70.1520, 67.0153,
48.7736

Harmonies

Analogous

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



38.3366, 40.8470, 44.7193



38.4438, 40.8470, 45.3932



38.6530, 40.8470, 45.8242

Triad

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



38.4438, 40.8470, 45.3932



39.2920, 40.8470, 44.9672



38.7389, 40.8470, 43.0886

Complementary

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



38.4438, 40.8470, 45.3932



38.4895, 40.0869, 42.7554

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.



38.9952, 40.8470, 43.1534



38.4438, 40.8470, 45.3932



39.3153, 40.8470, 44.2325

Square

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



38.4438, 40.8470, 45.3932



39.1430, 40.8470, 45.5764



39.2064, 40.8470, 43.5701



38.5064, 40.8470, 43.3924

Rectangle

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



38.4438, 40.8470, 45.3932



38.8226, 40.8470, 45.9131



39.2064, 40.8470, 43.5701



38.8251, 40.8470, 43.0681

Sweetspot

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



38.4450, 40.8487, 45.3941



70.3238, 74.2436, 81.4297



38.2463, 41.0741, 43.4080



15.2927, 16.1420, 17.6974



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.



38.4450, 40.8487, 45.3941



68.7261, 73.0639, 81.2863



37.9886, 39.9361, 45.2420



8.6243, 9.1897, 10.2719



12.3115, 15.7569, 31.4370



0.3766, 0.5065, 0.8859

Inverse Universe

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



38.6835, 39.8688, 44.6884



69.1770, 71.2129, 79.9521



38.9438, 40.9955, 42.9068



8.6936, 8.9059, 10.0667



16.0779, 7.8937, 18.5877



0.4645, 0.2265, 0.6076

Previews

White Background



This preview shows how the XYZ color 38.4438, 40.8470, 45.3932 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 38.4438, 40.8470, 45.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

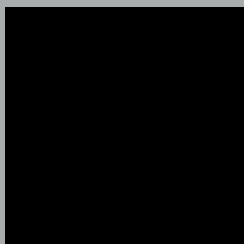
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

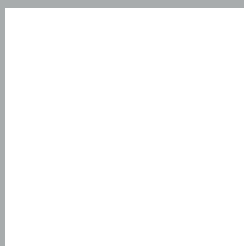
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4438, 40.8470, 45.3932

Background



This preview shows how black text looks on a background with the XYZ color 38.4438, 40.8470, 45.3932.

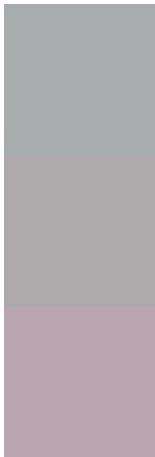


This preview shows how white text looks on a background with the XYZ color 38.4438, 40.8470,

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

38.4438, 40.8470, 45.3932

Protanopia

39.2767, 40.7267, 44.8207

Deuteranopia

41.5259, 40.7675, 45.7247



Tritanopia

39.6040, 40.7562, 51.1268

Trichromacy



Original Color

38.4438, 40.8470, 45.3932

Protanomaly

39.0226, 40.8750, 44.8627

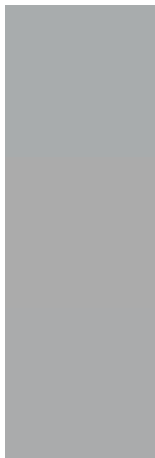
Deuteranomaly

40.2330, 40.6450, 45.7692

Tritanomaly

39.1633, 40.8561, 49.0019

Monochromacy



Original Color

38.4438, 40.8470, 45.3932

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5869, 40.6504, 44.8423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4438, 40.8470, 45.3932 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(168, 172, 173)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 173)  
}
```

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(168, 172, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 173) }
```

Border

The CSS property to change the border of an element to XYZ 38.4438, 40.8470, 45.3932 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(168, 172, 173) }
```


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

```
.border{ border-color:rgb(168, 172, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 172, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 173);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4438, 40.8470, 45.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 173) }
```

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

```
.background{ background-color: rgb(168,  
172, 173) }
```

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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