

Converting Colors

XYZ(38.3101, 40.4549, 45.5278)

Have a look what the booklet for
XYZ(38.3101, 40.4549, 45.5278)
contains.

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Color

**XYZ(38.2542, 40.4678,
45.3300)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ABAD
RGB	168, 171, 173
RGB Percent	66%, 67%, 68%
CMY	0.3412, 0.3294, 0.3216
CMYK	0.03, 0.01, 0.00, 0.32
HSL	204°, 3%, 67%
HSV	204°, 3%, 68%
XYZ	38.2542, 40.4678, 45.3300
YIQ	170.3310, -2.4300, -0.0140

Conversions

Conversions Part 2

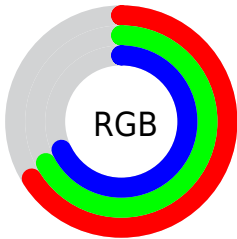
Format	Color
R _Y B	168, 170, 173
Decimal	11053997
CIE Lab	69.80, -0.67, -1.41
CIE LCh	70, 1.557, 244.445
Yxy	40.4678, 0.3084, 0.3262
Android (android.graphics.Color)	4289244077 (0xFFA8ABAD)
YUV	170.3310, 1.3158, -2.0443
Hunter-Lab	63.6143, -3.9848, 2.2814

Details

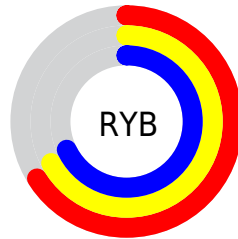
The XYZ color **38.2542, 40.4678, 45.3300** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.6763, 40.4604, 42.8176**, and the grayscale version is **38.3691, 40.3673, 43.9600**.

A 20% lighter version of the original color is **71.6314, 75.6821, 84.2315**, and **17.2505, 18.2871, 20.7097** is the 20% darker color. If you saturate the color by 10%, you get **33.5424, 36.1525, 44.7460**, and if you desaturate by 10%, it is **43.5266, 45.1756, 45.9614**.

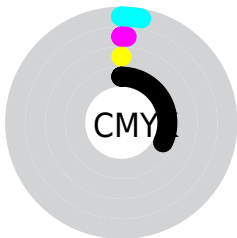
Distribution



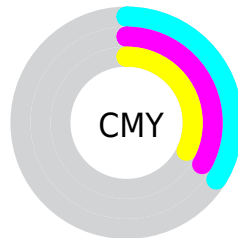
- Red (66%)
- Green (67%)
- Blue (68%)



- 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 38.2542, 40.4678, 45.3300 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 38.2542, 40.4678, 45.3300 by changing the saturation by 10% instead.

■ 38.2542, 40.4678,
45.3300

■ 38.2542, 40.4678,
45.3300

329.9712,
348.0914, 384.3075

■ 26.3581, 27.9035,
31.3726

■ 71.7990, 75.8753,
84.5391

■ 17.2259, 18.2529,
20.6219

■ 94.1784, 99.4873,
110.6278

■ 10.4919, 11.1317,
12.6594

120.7830,
127.5507, 141.5975

■ 5.7911, 6.1555,
7.0664

151.9782,
160.4498, 177.8665

■ 2.7579, 2.9399,
3.4246

188.1292,
198.5690, 219.8535

■ 1.0271, 1.1004,
1.3153

229.6015,

■ 0.0000, 0.0000,

242.2927, 267.9769

0.0743

276.7604,
292.0054, 322.6554

■ 0.0000, 0.0000,
0.0000

■ 38.2542, 40.4678,
45.3300

■ 38.2542, 40.4678,
45.3300

■ 33.5424, 36.1525,
44.7460

■ 43.5266, 45.1756,
45.9614

■ 29.3674, 32.2127,
44.2056

■ 49.3754, 50.2822,
46.6388

■ 25.7090, 28.6374,
43.7083

■ 55.8197, 55.8001,
47.3642

■ 22.5440, 25.4130,
43.2528

■ 62.8771, 61.7398,
48.1387

■ 19.8476, 22.5252,
42.8375

■ 70.5641, 68.1111,
48.9634

■ 17.5925, 19.9581,
42.4608

■ 72.4426, 71.5966,
49.5371

■ 15.7483, 17.6944,
42.1211

■ 74.2122, 75.1357,
50.1270

■ 14.2804, 15.7145,
41.8163

■ 76.0567, 78.8246,
50.7418

■ 13.1476, 13.9951,
41.5441

■ 77.9769, 82.6651,
51.3819

Harmonies

Analogous

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



38.0641, 40.4678, 44.8544



38.2542, 40.4678, 45.3300



38.5011, 40.4678, 45.4646

Triad

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



38.2542, 40.4678, 45.3300



38.9499, 40.4678, 43.9548



38.1892, 40.4678, 42.9249

Complementary

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



38.2542, 40.4678, 45.3300



38.6763, 40.4604, 42.8176

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.



38.4258, 40.4678, 42.6896



38.2542, 40.4678, 45.3300



38.8655, 40.4678, 43.2801

Square

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



38.2542, 40.4678, 45.3300



38.9035, 40.4678, 44.6656



38.6734, 40.4678, 42.8190



38.0267, 40.4678, 43.4650

Rectangle

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



38.2542, 40.4678, 45.3300



38.6649, 40.4678, 45.3416



38.6734, 40.4678, 42.8190



38.2627, 40.4678, 42.8078

Sweetspot

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



38.2554, 40.4695, 45.3309



70.2033, 74.0027, 81.3896



38.3405, 41.1117, 43.9041



15.2680, 16.0925, 17.6891



82.5889, 86.8899, 94.6231



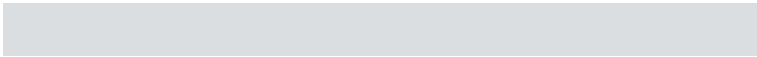
15.4596, 16.2647, 17.7123

Same Dimension

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



38.2554, 40.4695, 45.3309



68.3677, 72.3471, 81.1668



37.8025, 39.5638, 45.1799



8.5692, 9.0795, 10.2536



9.2277, 9.5893, 30.4091



0.3083, 0.3699, 0.8631

Inverse Universe

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



38.5878, 39.8305, 44.1844



68.9961, 71.1405, 78.9994



39.1340, 41.3759, 42.9702



8.6658, 8.8948, 9.9202



14.5214, 7.2711, 10.3909



0.4300, 0.2127, 0.4262

Previews

White Background



This preview shows how the XYZ color 38.2542, 40.4678, 45.3300 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 38.2542, 40.4678, 45.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

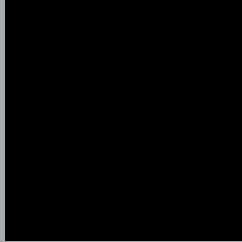
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2542, 40.4678, 45.3300

Background



This preview shows how black text looks on a background with the XYZ color 38.2542, 40.4678, 45.3300.



This preview shows how white text looks on a background with the XYZ color 38.2542, 40.4678,

45.3300.

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

38.2542, 40.4678, 45.3300

Protanopia

39.0547, 40.6122, 44.8103

Deuteranopia

41.1027, 40.2805, 45.6530



Tritanopia

39.3128, 40.3409, 50.5143

Trichromacy



Original Color

38.2542, 40.4678, 45.3300

Protanomaly

38.6157, 40.3859, 44.7897

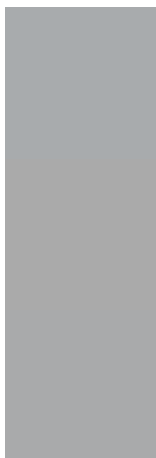
Deuteranomaly

40.0491, 40.2771, 45.7078

Tritanomaly

38.8736, 40.4391, 48.4045

Monochromacy



Original Color

38.2542, 40.4678, 45.3300

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0876, 40.1247, 44.2655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2542, 40.4678, 45.3300 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, 171, 173)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 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, 171, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 173) }
```

Border

The CSS property to change the border of an element to XYZ 38.2542, 40.4678, 45.3300 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, 171, 173) }
```


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

```
.border{ border-color:rgb(168, 171, 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, 171, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 173);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2542, 40.4678, 45.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 173) }
```

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

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