

# Converting Colors

XYZ(40.0491, 40.2771, 45.7078)

Have a look what the booklet for  
XYZ(40.0491, 40.2771, 45.7078)  
contains.

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# **Color**

**XYZ(40.0491, 40.2771,  
45.7078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A7AE
RGB	179, 167, 174
RGB Percent	70%, 65%, 68%
CMY	0.2980, 0.3451, 0.3176
CMYK	0.00, 0.07, 0.03, 0.30
HSL	325°, 7%, 68%
HSV	325°, 7%, 70%
XYZ	40.0491, 40.2771, 45.7078
YIQ	171.3860, 4.9050, 4.7210

# Conversions

## Conversions Part 2

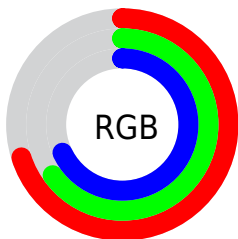
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 167, 174
Decimal	11773870
CIELab	69.67, 5.60, -2.05
CIElCh	70, 5.960, 339.866
Yxy	40.2771, 0.3178, 0.3196
Android (android.graphics.Color)	4289963950 (0xFFB3A7AE)
YUV	171.3860, 1.2887, 6.6775
Hunter-Lab	63.4642, 1.5800, 1.7235

# Details

The XYZ color **40.0491, 40.2771, 45.7078** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5044, 43.4353, 45.3336**, and the grayscale version is **38.8957, 40.9213, 44.5633**.

A 20% lighter version of the original color is **74.5251, 75.5619, 84.7857**, and **18.2478, 18.1022, 20.9447** is the 20% darker color. If you saturate the color by 10%, you get **36.2873, 33.8847, 40.9648**, and if you desaturate by 10%, it is **44.3076, 47.5969, 50.8166**.

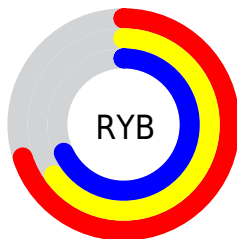
# Distribution



Red (70%)

Green (65%)

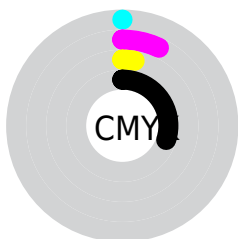
Blue (68%)



Red (70%)

Yellow (65%)

Blue (68%)

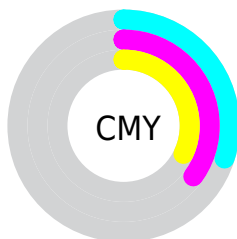


Cyan (0%)

Magenta (7%)

Yellow (3%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0491, 40.2771, 45.7078 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 40.0491, 40.2771, 45.7078 by changing the saturation by 10% instead.



■ 40.0491, 40.2771,  
45.7078

■ 40.0491, 40.2771,  
45.7078

337.4613,  
347.2901, 385.8761

■ 27.7612, 27.7547,  
31.6683

■ 74.5221, 75.5853,  
85.1112

■ 18.2853, 18.1408,  
20.8456

■ 97.4380, 99.1398,  
111.3122

■ 11.2559, 11.0511,  
12.8210

124.6272,  
127.1405, 142.4041

■ 6.3078, 6.1012,  
7.1761

156.4552,  
159.9718, 178.8054

■ 3.0756, 2.9067,  
3.4924

193.2872,  
198.0179, 220.9347

■ 1.1938, 1.0832,  
1.3512

235.4887,

■ 0.1015, 0.0000,

241.6635, 269.2106

0.1032

283.4249,  
291.2927, 324.0515

■ 0.0000, 0.0000,  
0.0000

■ 40.0491, 40.2771,  
45.7078

■ 40.0491, 40.2771,  
45.7078

■ 36.2873, 33.8847,  
40.9648

■ 44.3076, 47.5969,  
50.8166

■ 32.9994, 28.3773,  
36.5755

■ 49.0773, 55.8741,  
56.2978

■ 30.1662, 23.7166,  
32.5306

■ 54.3766, 65.1438,  
62.1611

■ 27.7656, 19.8597,  
28.8194

■ 60.2218, 75.4377,  
68.4148

■ 25.7737, 16.7599,  
25.4304

■ 66.1466, 85.8222,  
74.9065

■ 24.1642, 14.3655,  
22.3514

■ 67.1057, 86.2059,  
79.9573

■ 22.9073, 12.6185,  
19.5687

■ 68.1089, 86.6071,  
85.2398

■ 21.9687, 11.4512,  
17.0670

■ 69.1566, 87.0262,  
90.7571

■ 21.3011, 10.7705,  
14.8269

■ 70.2495, 87.4634,  
96.5121

# Harmonies

## Analogous

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



39.4827, 40.2771, 48.0572



40.0491, 40.2771, 45.7078



40.1377, 40.2771, 42.9515

# Triad

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



40.0491, 40.2771, 45.7078



37.9654, 40.2771, 38.8298



36.8769, 40.2771, 47.3466

# Complementary

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



40.0491, 40.2771, 45.7078



39.5044, 43.4353, 45.3336

# 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.



36.4848, 40.2771, 44.7709



40.0491, 40.2771, 45.7078



37.1062, 40.2771, 39.9050

# Square

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



40.0491, 40.2771, 45.7078



38.9238, 40.2771, 39.0569



36.5680, 40.2771, 42.0528



37.6476, 40.2771, 49.0306



# Rectangle

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



40.0491, 40.2771, 45.7078



39.9123, 40.2771, 41.2640



36.5680, 40.2771, 42.0528



36.6971, 40.2771, 46.5521

# Sweetspot

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



40.0503, 40.2788, 45.7087



75.1752, 78.0460, 86.0504



38.9702, 39.6647, 48.2506



16.6732, 17.3222, 19.0862



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



40.0503, 40.2788, 45.7087



70.7087, 70.3964, 80.6048



39.4784, 40.0501, 42.6974



8.6972, 8.5856, 9.9040



14.9498, 7.4975, 10.1617



0.4987, 0.2472, 0.4686



# Inverse Universe

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



40.0503, 40.2788, 45.7087



70.7087, 70.3964, 80.6048



40.0936, 43.6710, 48.4364



8.6972, 8.5856, 9.9040



14.9498, 7.4975, 10.1617

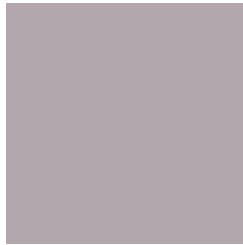


0.4987, 0.2472, 0.4686



# Previews

## White Background



This preview shows how the XYZ color 40.0491, 40.2771, 45.7078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

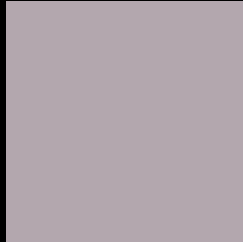
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.0491, 40.2771, 45.7078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

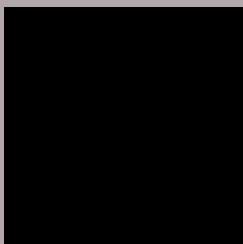
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

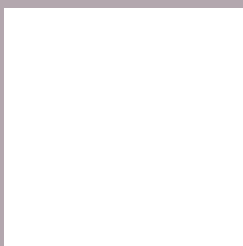
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.0491, 40.2771, 45.7078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.0491, 40.2771, 45.7078.



This preview shows how white text looks on a background with the XYZ color 40.0491, 40.2771,

45.7078.

# 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

40.0491, 40.2771, 45.7078

### Protanopia

38.9391, 40.2417, 46.2726

### Deuteranopia

41.1027, 40.2805, 45.6530



## Tritanopia

40.5953, 40.2304, 48.2735

# Trichromacy



## Original Color

40.0491, 40.2771, 45.7078

## Protanomaly

39.4197, 40.2144, 46.2419

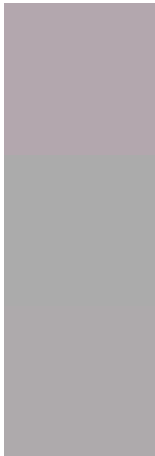
## Deuteranomaly

40.8046, 40.3957, 45.6909

## Tritanomaly

40.3944, 40.1501, 47.2157

# Monochromacy



## Original Color

40.0491, 40.2771, 45.7078

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.2767, 40.7267, 44.8207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.0491, 40.2771, 45.7078 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(179, 167, 174)` looks like.

```
.text, #text, p{  
    color:rgb(179, 167, 174)  
}
```

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(179, 167, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 167, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 40.0491, 40.2771, 45.7078 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(179, 167, 174) }
```



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

```
.border{ border-color:rgb(179, 167, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 167, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 167, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 167, 174);  
box-shadow:4px 4px 4px 4px rgb(179, 167,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.0491, 40.2771, 45.7078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 167, 174) }
```

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

```
.background{ background-color: rgb(179,  
167, 174) }
```

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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