

# Converting Colors

XYZ(41.2532, 43.1370, 47.7476)

Have a look what the booklet for  
XYZ(41.2532, 43.1370, 47.7476)  
contains.

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# Color

**XYZ(41.1703, 43.0644,  
47.7373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0AFB1
RGB	176, 175, 177
RGB Percent	69%, 69%, 69%
CMY	0.3098, 0.3137, 0.3059
CMYK	0.01, 0.01, 0.00, 0.31
HSL	270°, 1%, 69%
HSV	270°, 1%, 69%
XYZ	41.1703, 43.0644, 47.7373
YIQ	175.5270, -0.0460, 0.8340

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 175, 177
Decimal	11579313
CIELab	71.60, 0.73, -0.90
CIELCh	72, 1.164, 309.025
Yxy	43.0644, 0.3120, 0.3263
Android (android.graphics.Color)	4289769393 (0xFFB0AFB1)
YUV	175.5270, 0.7262, 0.4148
Hunter-Lab	65.6235, -2.8553, 2.8064

# Details

The XYZ color **41.1703, 43.0644, 47.7373** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.3661, 43.7707, 46.8280**, and the grayscale version is **41.0182, 43.1543, 46.9950**.

A 20% lighter version of the original color is **76.2835, 79.6326, 88.4409**, and **19.0332, 19.9062, 21.9079** is the 20% darker color. If you saturate the color by 10%, you get **36.0100, 35.6219, 46.5734**, and if you desaturate by 10%, it is **46.9155, 51.4812, 49.0597**.

# Distribution



Red (69%)

Green (69%)

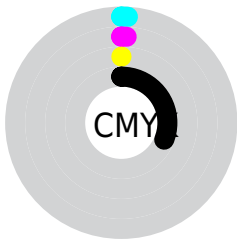
Blue (69%)



Red (69%)

Yellow (69%)

Blue (69%)



Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1703, 43.0644, 47.7373 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 41.1703, 43.0644, 47.7373 by changing the saturation by 10% instead.



■ 41.1703, 43.0644,  
47.7373

■ 41.1703, 43.0644,  
47.7373

342.0823,  
358.8765, 394.2285

■ 28.6404, 29.9356,  
33.2604

■ 76.2154, 79.8080,  
88.1746

■ 18.9519, 19.7897,  
22.0532

99.4614, 104.1917,  
114.9721

■ 11.7393, 12.2423,  
13.6973

127.0101,  
133.0958, 146.7135

■ 6.6374, 6.9089,  
7.7741

159.2269,  
166.9047, 183.8174

■ 3.2807, 3.4052,  
3.8651

196.4772,  
206.0029, 226.7023

■ 1.3039, 1.3468,  
1.5516

239.1263,

■ 0.1861, 0.1770,

250.7746, 275.7868

0.2559

287.5395,  
301.6044, 331.4893

■ 0.0000, 0.0000,  
0.0000

■ 41.1703, 43.0644,  
47.7373

■ 41.1703, 43.0644,  
47.7373

■ 36.0100, 35.6219,  
46.5734

■ 46.9155, 51.4812,  
49.0597

■ 31.4110, 29.1121,  
45.5592

■ 53.2608, 60.9009,  
50.5435

■ 27.3534, 23.4982,  
44.6895

■ 60.2254, 71.3579,  
52.1948

■ 23.8147, 18.7393,  
43.9575

■ 67.8266, 82.8832,  
54.0188

■ 20.7707, 14.7909,  
43.3558

■ 73.3072, 89.9595,  
55.0958

18.1950, 11.6043,  
42.8765

76.0666, 91.3821,  
55.2250

16.0584, 9.1257,  
42.5107

78.9704, 92.8790,  
55.3609

14.3280, 7.2937,  
42.2482

82.0208, 94.4515,  
55.5036

12.9653, 6.0357,  
42.0772

84.9359, 95.9544,  
55.6400

# Harmonies

## Analogous

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



40.9908, 43.0644, 47.9690



41.1703, 43.0644, 47.7373



41.2860, 43.0644, 47.2790

# Triad

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



41.1703, 43.0644, 47.7373



41.0671, 43.0644, 45.8845



40.5586, 43.0644, 47.0601

# Complementary

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



41.1703, 43.0644, 47.7373



41.3661, 43.7707, 46.8280

# 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.



40.5789, 43.0644, 46.5027



41.1703, 43.0644, 47.7373



40.8721, 43.0644, 45.8270

# Square

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



41.1703, 43.0644, 47.7373



41.2263, 43.0644, 46.2103



40.6935, 43.0644, 46.0524



40.6380, 43.0644, 47.5759



# Rectangle

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



41.1703, 43.0644, 47.7373



41.3112, 43.0644, 46.9083



40.6935, 43.0644, 46.0524



40.5540, 43.0644, 46.8714

# Sweetspot

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



41.1715, 43.0662, 47.7382



74.8435, 78.7412, 85.7492



41.1485, 43.3536, 47.7949



16.2198, 17.0645, 18.5832



84.5950, 89.0005, 96.9216

# Same Dimension

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



41.1715, 43.0662, 47.7382



73.8443, 77.2869, 85.5212



41.3909, 43.1793, 47.7485



9.4338, 9.8779, 10.9157



8.7611, 3.8523, 30.4188



0.3430, 0.1559, 0.9603



# Inverse Universe

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



41.2994, 43.1436, 47.2273



74.0509, 77.4119, 84.6959



41.1483, 43.6584, 46.8178



9.4580, 9.8925, 10.8191



14.4628, 7.3027, 7.5971

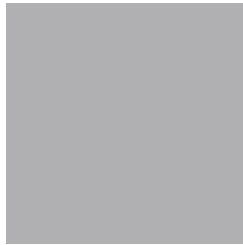


0.4845, 0.2416, 0.3941



# Previews

## White Background



This preview shows how the XYZ color 41.1703, 43.0644, 47.7373 looks on a white background.

## Color Contrast Check

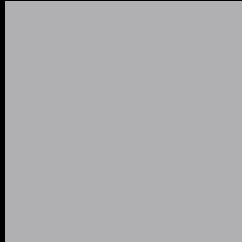
Large Text (above 18pt) WCAG AA × Fail

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 41.1703, 43.0644, 47.7373 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

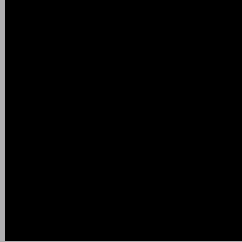
Any Text WCAG AAA ✓ Pass

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



**XYZ 41.1703, 43.0644, 47.7373**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1703, 43.0644, 47.7373.



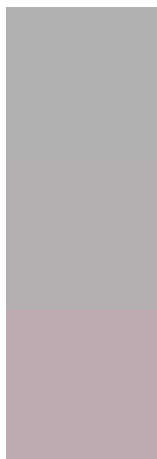
This preview shows how white text looks on a background with the XYZ color 41.1703, 43.0644,



# 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

41.1703, 43.0644, 47.7373

### Protanopia

41.4320, 42.9114, 47.6940

### Deuteranopia

43.8965, 43.0402, 48.1135



## Tritanopia

42.2733, 42.9400, 53.0739

# Trichromacy



## Original Color

41.1703, 43.0644, 47.7373

## Protanomaly

41.2033, 42.7935, 47.6833

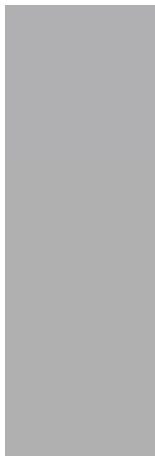
## Deuteranomaly

43.0381, 43.1585, 48.1816

## Tritanomaly

41.8148, 43.0381, 50.9031

# Monochromacy



## Original Color

41.1703, 43.0644, 47.7373

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

41.2663, 43.4154, 47.2793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1703, 43.0644, 47.7373 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(176, 175, 177)` looks like.

```
.text, #text, p{  
    color:rgb(176, 175, 177)  
}
```

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(176, 175, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 175, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1703, 43.0644, 47.7373 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(176, 175, 177) }
```

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

```
.border{ border-color:rgb(176, 175, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 175, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 175, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 175, 177);  
box-shadow:4px 4px 4px 4px rgb(176, 175,  
177) }
```



# Background

The CSS property to change the background color of an element to XYZ 41.1703, 43.0644, 47.7373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 175, 177) }
```

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

```
.background{ background-color: rgb(176,  
175, 177) }
```

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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