

# Converting Colors

XYZ(41.3066, 43.0057, 50.8587)

Have a look what the booklet for  
XYZ(41.3066, 43.0057, 50.8587)  
contains.

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# Color

**XYZ(41.3328, 43.0775,  
50.9361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEAFB7
RGB	174, 175, 183
RGB Percent	68%, 69%, 72%
CMY	0.3176, 0.3137, 0.2823
CMYK	0.05, 0.04, 0.00, 0.28
HSL	233°, 6%, 70%
HSV	233°, 5%, 72%
XYZ	41.3328, 43.0775, 50.9361
YIQ	175.6130, -3.1640, 2.2760

# Conversions

## Conversions Part 2

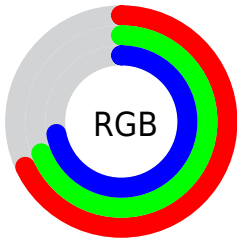
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 175, 183
Decimal	11448247
CIELab	71.61, 1.19, -4.21
CIELCh	72, 4.375, 285.808
Yxy	43.0775, 0.3054, 0.3183
Android (android.graphics.Color)	4289638327 (0xFFFAEAFB7)
YUV	175.6130, 3.6418, -1.4146
Hunter-Lab	65.6335, -2.4478, -0.0697

# Details

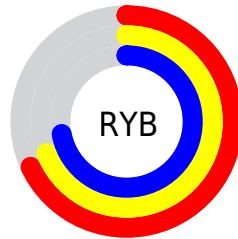
The XYZ color **41.3328, 43.0775, 50.9361** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.8966, 46.5789, 46.7222**, and the grayscale version is **41.0493, 43.1871, 47.0307**.

A 20% lighter version of the original color is **76.1899, 79.4836, 92.9876**, and **19.1383, 19.9152, 23.9544** is the 20% darker color. If you saturate the color by 10%, you get **34.5539, 35.1649, 49.7668**, and if you desaturate by 10%, it is **49.0509, 52.0424, 52.2604**.

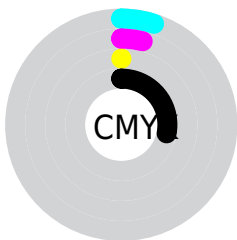
# Distribution



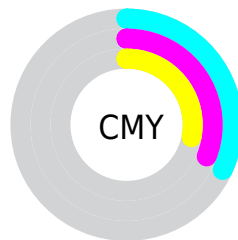
- Red (68%)
- Green (69%)
- Blue (72%)



- Red (68%)
- Yellow (69%)
- Blue (72%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (28%)



- Cyan (32%)
- Magenta (31%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3328, 43.0775, 50.9361 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 41.3328, 43.0775, 50.9361 by changing the saturation by 10% instead.



■ 41.3328, 43.0775,  
50.9361

■ 41.3328, 43.0775,  
50.9361

342.7485,  
358.9304, 407.1549

■ 28.7680, 29.9459,  
35.7814

■ 76.4604, 79.8278,  
92.9708

■ 19.0488, 19.7975,  
23.9770

99.7539, 104.2153,  
120.6880

■ 11.8098, 12.2480,  
15.1046

127.3543,  
133.1236, 153.4296

■ 6.6856, 6.9128,  
8.7454

159.6271,  
166.9370, 191.6143

■ 3.3108, 3.4076,  
4.4809

196.9376,  
206.0401, 235.6607

■ 1.3202, 1.3481,  
1.8927

239.6510,

■ 0.1982, 0.1780,

250.8170, 285.9872

0.4881

288.1329,  
301.6523, 343.0125

■ 0.0000, 0.0000,  
0.0000

■ 41.3328, 43.0775,  
50.9361

■ 41.3328, 43.0775,  
50.9361

■ 34.5539, 35.1649,  
49.7668

■ 49.0509, 52.0424,  
52.2604

■ 28.6745, 28.2607,  
48.7440

■ 57.7382, 62.0906,  
53.7420

■ 23.6580, 22.3259,  
47.8629

■ 67.4281, 73.2586,  
55.3869

■ 19.4633, 17.3170,  
47.1171

■ 78.1513, 85.5796,  
57.1999

■ 16.0465, 13.1868,  
46.5000

■ 85.5474, 96.1990,  
58.8599

■ 13.3592, 9.8845,  
46.0042

■ 11.3476, 7.3535,  
45.6217

■ 9.9504, 5.5303,  
45.3434

■ 9.0946, 4.3406,  
45.1589

# Harmonies

## Analogous

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



40.5959, 43.0775, 50.9676



41.3328, 43.0775, 50.9361



41.9728, 43.0775, 49.8029

# Triad

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



41.3328, 43.0775, 50.9361



41.9439, 43.0775, 44.0419



39.5796, 43.0775, 45.9119

# Complementary

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



41.3328, 43.0775, 50.9361



43.8966, 46.5789, 46.7222

# 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.



39.9319, 43.0775, 44.1199



41.3328, 43.0775, 50.9361



41.2938, 43.0775, 43.0625

# Square

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



41.3328, 43.0775, 50.9361



42.3285, 43.0775, 45.8025



40.5574, 43.0775, 43.0906



39.5897, 43.0775, 48.0232



# Rectangle

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



41.3328, 43.0775, 50.9361



42.2558, 43.0775, 48.5942



40.5574, 43.0775, 43.0906



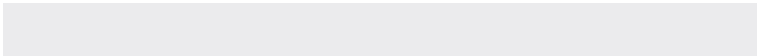
39.6594, 43.0775, 45.2536

# Sweetspot

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



41.3340, 43.0793, 50.9370



79.2164, 83.1888, 92.1176



42.8281, 46.2417, 50.8979



17.5123, 18.3923, 20.3487



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



41.3340, 43.0793, 50.9370



72.5070, 75.3824, 90.9644



41.9182, 43.0919, 50.9087



9.0384, 9.3880, 11.4151



6.1683, 2.7962, 31.4677



0.2441, 0.1519, 1.1182



# Inverse Universe

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



42.4034, 43.4354, 46.7085



74.8650, 76.1728, 81.6384



43.2920, 46.5731, 46.7530



9.3550, 9.4944, 10.1626



13.7271, 7.0646, 1.1840

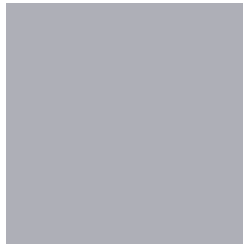


0.4974, 0.2544, 0.1126



# Previews

## White Background



This preview shows how the XYZ color 41.3328, 43.0775, 50.9361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

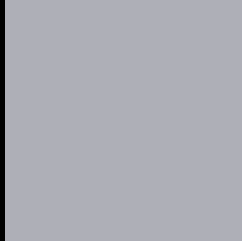
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3328, 43.0775, 50.9361 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

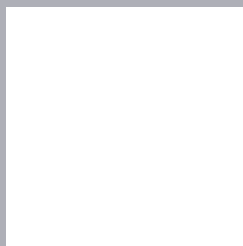
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.3328, 43.0775, 50.9361

## Background



This preview shows how black text looks on a background with the XYZ color 41.3328, 43.0775, 50.9361.



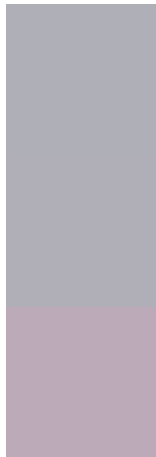
This preview shows how white text looks on a background with the XYZ color 41.3328, 43.0775,



# 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

41.3328, 43.0775, 50.9361

### Protanopia

41.5878, 42.9211, 50.8924

### Deuteranopia

43.7655, 42.9015, 51.3215



## Tritanopia

41.8923, 43.0169, 53.6721

# Trichromacy



## Original Color

41.3328, 43.0775, 50.9361

## Protanomaly

41.3625, 42.8050, 50.8819

## Deuteranomaly

42.9327, 43.0330, 51.3908

## Tritanomaly

41.6782, 42.9312, 52.5443

# Monochromacy



## Original Color

41.3328, 43.0775, 50.9361

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

41.3412, 43.4193, 48.8497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3328, 43.0775, 50.9361 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(174, 175, 183)` looks like.

```
.text, #text, p{  
    color:rgb(174, 175, 183)  
}
```

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(174, 175, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 175, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3328, 43.0775, 50.9361 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(174, 175, 183) }
```



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

```
.border{ border-color:rgb(174, 175, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 175, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 175, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 175, 183);  
box-shadow:4px 4px 4px 4px rgb(174, 175,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3328, 43.0775, 50.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 175, 183) }
```

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

```
.background{ background-color: rgb(174,  
175, 183) }
```

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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