

# Converting Colors

XYZ(56.2932, 44.8375, 51.2319)

Have a look what the booklet for  
XYZ(56.2932, 44.8375, 51.2319)  
contains.

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# Color

**XYZ(56.3186, 44.9439,  
51.0541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F199B8
RGB	241, 153, 184
RGB Percent	95%, 60%, 72%
CMY	0.0549, 0.4000, 0.2784
CMYK	0.00, 0.37, 0.24, 0.05
HSL	339°, 76%, 77%
HSV	339°, 37%, 95%
XYZ	56.3186, 44.9439, 51.0541
YIQ	182.8460, 42.4970, 28.2970

# Conversions

## Conversions Part 2

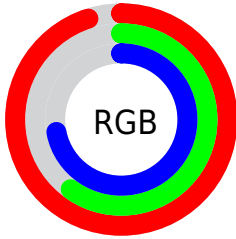
Format	Color
R <sub>Y</sub> B	241, 153, 184
Decimal	15833528
CIE Lab	72.85, 36.96, -2.18
CIE LCh	73, 37.029, 356.627
Yxy	44.9439, 0.3697, 0.2951
Android (android.graphics.Color)	4294023608 (0xFFFF199B8)
YUV	182.8460, 0.5689, 51.0011
Hunter-Lab	67.0402, 32.6325, 1.7762

# Details

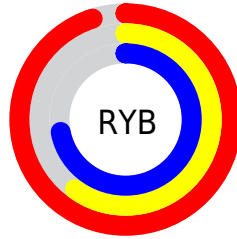
The XYZ color **56.3186, 44.9439, 51.0541** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.2270, 74.3372, 72.3615**, and the grayscale version is **44.9072, 47.2458, 51.4507**.

A 20% lighter version of the original color is **79.5241, 72.6630, 92.2721**, and **28.1823, 20.8203, 24.0061** is the 20% darker color. If you saturate the color by 10%, you get **51.2180, 37.2183, 41.7209**, and if you desaturate by 10%, it is **62.3990, 54.3391, 61.6059**.

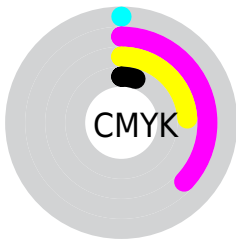
# Distribution



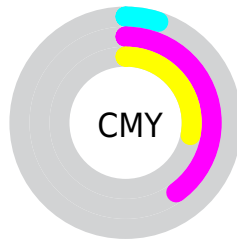
- Red (95%)
- Green (60%)
- Blue (72%)



- Red (95%)
- Yellow (60%)
- Blue (72%)



- Cyan (0%)
- Magenta (37%)
- Yellow (24%)
- Black (5%)




- Cyan (5%)
- Magenta (40%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3186, 44.9439, 51.0541 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 56.3186, 44.9439, 51.0541 by changing the saturation by 10% instead.





 56.3186, 44.9439,  
51.0541

 56.3186, 44.9439,  
51.0541


400.9467,  
366.5463, 407.6265

 40.6964, 31.4132,  
35.8746

 98.6074, 82.6362,  
93.1471

 28.2686, 20.9137,  
24.0485


 126.0047,  
107.5667, 120.8976

 18.6697, 13.0610,  
15.1570


158.0577,  
137.0658, 153.6757

 11.5344, 7.4705,  
8.7818

195.1319,  
171.5181, 191.8997

 6.4974, 3.7581,  
4.5043

237.5925,  
211.3079, 235.9882

 3.1934, 1.5392,  
1.9059

285.8049,

 1.2568, 0.3161,

256.8196, 286.3599

0.4965

340.1345,  
308.4376, 343.4331

■ 0.1505, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.3186, 44.9439,  
51.0541

■ 56.3186, 44.9439,  
51.0541

■ 51.2180, 37.2183,  
41.7209

■ 62.3990, 54.3391,  
61.6059

■ 47.0392, 31.0571,  
33.5566

■ 69.5050, 65.4881,  
73.4176

■ 43.7238, 26.3531,  
26.5121

■ 77.6843, 78.4772,  
86.5319

■ 41.2050, 22.9825,  
20.5329

■ 86.9802, 93.3848,  
100.9884

■ 39.4047, 20.8008,  
15.5589

■ 90.0858, 97.4409,  
108.6677

■ 38.2268, 19.6272,  
11.5213

■ 37.9111, 19.3550,  
10.3091

# Harmonies

## Analogous

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



53.9227, 44.9439, 71.1663



56.3186, 44.9439, 51.0541



54.7788, 44.9439, 34.6936

# Triad

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



56.3186, 44.9439, 51.0541



37.4020, 44.9439, 23.5756



36.2582, 44.9439, 84.9531

# Complementary

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



56.3186, 44.9439, 51.0541



56.2270, 74.3372, 72.3615

# 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.



32.5715, 44.9439, 66.6243



56.3186, 44.9439, 51.0541



33.1837, 44.9439, 31.8969

# Square

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



56.3186, 44.9439, 51.0541



43.4511, 44.9439, 21.3730



31.5046, 44.9439, 46.8778



41.9929, 44.9439, 93.5935



# Rectangle

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



56.3186, 44.9439, 51.0541



51.8042, 44.9439, 27.4093



31.5046, 44.9439, 46.8778



34.7614, 44.9439, 79.5267

# Sweetspot

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



56.3199, 44.9460, 51.0550



83.9567, 82.2753, 91.4465



53.4893, 42.6522, 88.6330



17.7003, 17.1818, 19.1403



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



56.3199, 44.9460, 51.0550



59.5092, 44.2356, 49.8320



55.4341, 47.8170, 36.4475



16.0027, 15.8508, 17.5706



20.6161, 10.5189, 5.8949



1.7606, 0.8933, 0.7303



# Inverse Universe

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



56.3199, 44.9460, 51.0550



59.5092, 44.2356, 49.8320



57.1088, 69.3108, 93.5879



16.0027, 15.8508, 17.5706



20.6161, 10.5189, 5.8949



1.7606, 0.8933, 0.7303



# Previews

## White Background



This preview shows how the XYZ color 56.3186, 44.9439, 51.0541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

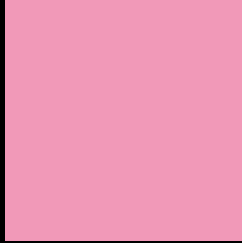
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3186, 44.9439, 51.0541 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 56.3186, 44.9439, 51.0541**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3186, 44.9439, 51.0541.



This preview shows how white text looks on a background with the XYZ color 56.3186, 44.9439,



# 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

56.3186, 44.9439, 51.0541

### Protanopia

44.3607, 45.3114, 60.4408

### Deuteranopia

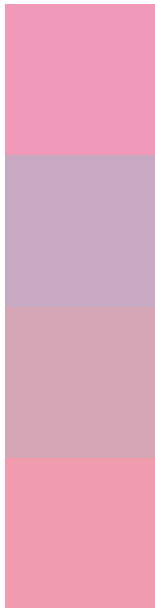
46.1392, 45.3032, 49.4926



## Tritanopia

54.5530, 44.9548, 42.8477

# Trichromacy



## Original Color

56.3186, 44.9439, 51.0541

## Protanomaly

47.7450, 44.5503, 57.1216

## Deuteranomaly

49.1281, 44.6057, 49.7365

## Tritanomaly

55.2965, 45.0239, 45.8204

# Monochromacy



## Original Color

56.3186, 44.9439, 51.0541

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

48.2016, 45.7613, 51.0921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3186, 44.9439, 51.0541 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(241, 153, 184)` looks like.

```
.text, #text, p{  
    color:rgb(241, 153, 184)  
}
```

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(241, 153, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 153, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3186, 44.9439, 51.0541 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(241, 153, 184) }
```



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

```
.border{ border-color:rgb(241, 153, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 153, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 153, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 153, 184);  
box-shadow:4px 4px 4px 4px rgb(241, 153,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3186, 44.9439, 51.0541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 153, 184) }
```

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

```
.background{ background-color: rgb(241,  
153, 184) }
```

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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