

# Converting Colors

XYZ(55.0367, 43.7585, 44.2960)

Have a look what the booklet for  
XYZ(55.0367, 43.7585, 44.2960)  
contains.

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# Color

**XYZ(54.8750, 43.6302,  
44.0573)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F296AB
RGB	242, 150, 171
RGB Percent	95%, 59%, 67%
CMY	0.0510, 0.4117, 0.3294
CMYK	0.00, 0.38, 0.29, 0.05
HSL	346°, 78%, 77%
HSV	346°, 38%, 95%
XYZ	54.8750, 43.6302, 44.0573
YIQ	179.9020, 48.0910, 26.0350

# Conversions

## Conversions Part 2

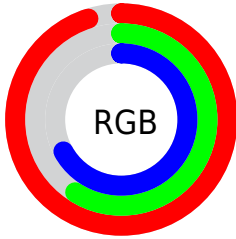
Format	Color
<a href="#">RYB</a>	<a href="#">242, 150, 171</a>
Decimal	<a href="#">15898283</a>
CIELab	<a href="#">71.98, 37.11, 3.76</a>
CIELCh	<a href="#">72, 37.304, 5.790</a>
Yxy	<a href="#">43.6302, 0.3849, 0.3060</a>
Android (android.graphics.Color)	<a href="#">4294088363</a> ( <a href="#">0xFFFF296AB</a> )
YUV	<a href="#">179.9020, -4.3887, 54.4599</a>
Hunter-Lab	<a href="#">66.0532, 32.6995, 6.6909</a>

# Details

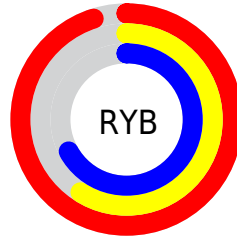
The XYZ color **54.8750, 43.6302, 44.0573** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **57.3830, 75.2099, 79.9031**, and the grayscale version is **43.3357, 45.5925, 49.6502**.

A 20% lighter version of the original color is **76.7988, 70.4136, 81.4950**, and **27.3716, 20.0716, 19.8843** is the 20% darker color. If you saturate the color by 10%, you get **49.7482, 36.0271, 34.1769**, and if you desaturate by 10%, it is **61.0531, 52.9328, 55.5302**.

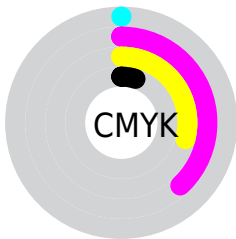
# Distribution



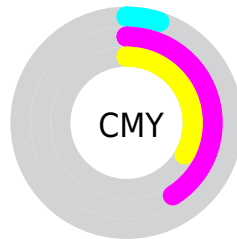
- Red (95%)
- Green (59%)
- Blue (67%)



- Red (95%)
- Yellow (59%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (29%)
- Black (5%)




- Cyan (5%)
- Magenta (41%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8750, 43.6302, 44.0573 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 54.8750, 43.6302, 44.0573 by changing the saturation by 10% instead.





 54.8750, 43.6302,  
44.0573


 54.8750, 43.6302,  
44.0573


395.5820,  
361.1971, 378.9902

 39.5351, 30.3799,  
30.3780


 96.5072, 80.6610,  
82.6074

 27.3588, 20.1271,  
19.8712


 123.5302,  
105.2103, 108.3152

 17.9809, 12.4875,  
12.1183


155.1782,  
134.2947, 138.8697

 11.0359, 7.0766,  
6.7008

191.8167,  
168.2986, 174.6893

 6.1584, 3.5100,  
3.2001

233.8110,  
207.6063, 216.1927

 2.9832, 1.4035,  
1.1977

281.5264,

 1.1449, 0.2193,

252.6024, 263.7982

0.0000

335.3283,  
303.6712, 317.9246

■ 0.0622, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.8750, 43.6302,  
44.0573

■ 54.8750, 43.6302,  
44.0573

■ 49.7482, 36.0271,  
34.1769

■ 61.0531, 52.9328,  
55.5302

■ 45.6093, 30.0142,  
25.8147

■ 68.3341, 64.0231,  
68.6600

■ 42.3932, 25.4792,  
18.8941

■ 76.7703, 76.9904,  
83.5109

■ 40.0254, 22.2923,  
13.3303

■ 86.4097, 91.9165,  
100.1426

■ 38.4190, 20.3009,  
9.0292

■ 90.4281, 97.6173,  
108.6837

■ 37.4581, 19.2968,  
5.8797

■ 37.3132, 19.1553,  
5.3740

# Harmonies

## Analogous

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



53.6619, 43.6302, 63.3769



54.8750, 43.6302, 44.0573



52.2093, 43.6302, 29.8158

# Triad

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



54.8750, 43.6302, 44.0573



34.7162, 43.6302, 24.3701



36.6504, 43.6302, 87.1770

# Complementary

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



54.8750, 43.6302, 44.0573



57.3830, 75.2099, 79.9031

# 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.



32.3133, 43.6302, 71.0915



54.8750, 43.6302, 44.0573



31.2792, 43.6302, 34.5338

# Square

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



54.8750, 43.6302, 44.0573



40.2469, 43.6302, 20.4721



30.4465, 43.6302, 51.1299



42.7160, 43.6302, 91.6024



# Rectangle

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



54.8750, 43.6302, 44.0573



48.7372, 43.6302, 24.0167



30.4465, 43.6302, 51.1299



34.9622, 43.6302, 82.7841

# Sweetspot

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



54.8762, 43.6323, 44.0582



83.4537, 82.0741, 88.7978



56.6118, 43.5248, 89.4220



17.5810, 17.1341, 18.5122



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.



54.8762, 43.6323, 44.0582



57.0289, 42.0483, 40.4553



57.3638, 51.5599, 35.7855



15.9205, 15.8179, 17.1378



20.0876, 10.3075, 3.1120



1.7079, 0.8722, 0.4525



# Inverse Universe

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



54.8762, 43.6323, 44.0582



57.0289, 42.0483, 40.4553



53.5397, 62.7631, 93.2973



15.9205, 15.8179, 17.1378



20.0876, 10.3075, 3.1120

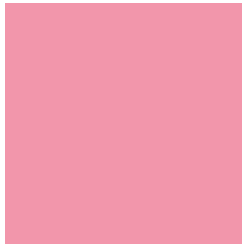


1.7079, 0.8722, 0.4525



# Previews

## White Background



This preview shows how the XYZ color 54.8750, 43.6302, 44.0573 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

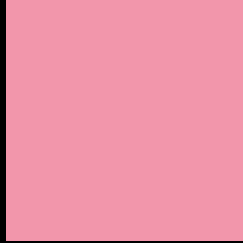
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8750, 43.6302, 44.0573 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

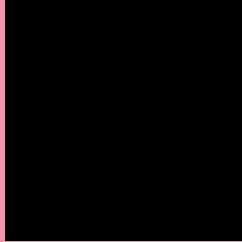
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.8750, 43.6302, 44.0573**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8750, 43.6302, 44.0573.



This preview shows how white text looks on a background with the XYZ color 54.8750, 43.6302,



# 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

54.8750, 43.6302, 44.0573

### Protanopia

42.5197, 43.9430, 52.6952

### Deuteranopia

44.5639, 43.7862, 42.6620



## Tritanopia

53.9531, 43.4783, 40.1988

# Trichromacy



## Original Color

54.8750, 43.6302, 44.0573

## Protanomaly

46.2466, 43.3911, 49.6539

## Deuteranomaly

47.6056, 43.1677, 42.8689

## Tritanomaly

54.2252, 43.5872, 41.6316

# Monochromacy



## Original Color

54.8750, 43.6302, 44.0573

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

46.7524, 44.2468, 47.6713

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8750, 43.6302, 44.0573 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(242, 150, 171)` looks like.

```
.text, #text, p{  
    color:rgb(242, 150, 171)  
}
```

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(242, 150, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 150, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8750, 43.6302, 44.0573 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(242, 150, 171) }
```



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

```
.border{ border-color:rgb(242, 150, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 150, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 150, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 150, 171);  
box-shadow:4px 4px 4px 4px rgb(242, 150,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8750, 43.6302, 44.0573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 150, 171) }
```

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

```
.background{ background-color: rgb(242,  
150, 171) }
```

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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