

# Converting Colors

XYZ(43.4323, 24.7631, 24.4963)

Have a look what the booklet for  
XYZ(43.4323, 24.7631, 24.4963)  
contains.

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# Color

**XYZ(43.4213, 24.7955,  
24.3272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F44284
RGB	244, 66, 132
RGB Percent	96%, 26%, 52%
CMY	0.0431, 0.7411, 0.4824
CMYK	0.00, 0.73, 0.46, 0.04
HSL	338°, 89%, 61%
HSV	338°, 73%, 96%
XYZ	43.4213, 24.7955, 24.3272
YIQ	126.7460, 84.9020, 58.2620

# Conversions

## Conversions Part 2

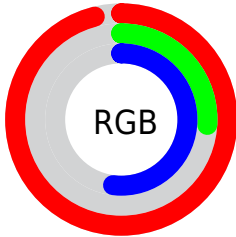
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 66, 132
Decimal	16007812
CIE Lab	56.88, 70.97, 4.29
CIE LCh	57, 71.097, 3.458
Yxy	24.7955, 0.4692, 0.2679
Android (android.graphics.Color)	4294197892 (0xFFFF44284)
YUV	126.7460, 2.5902, 102.8318
Hunter-Lab	49.7951, 68.5106, 5.8906

# Details

The XYZ color **43.4213, 24.7955, 24.3272** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **42.6353, 69.0747, 53.2114**, and the grayscale version is **20.0585, 21.1031, 22.9813**.

A 20% lighter version of the original color is **57.5863, 39.9415, 50.5733**, and **20.8527, 10.5696, 9.1247** is the 20% darker color. If you saturate the color by 10%, you get **41.3126, 22.1377, 18.8164**, and if you desaturate by 10%, it is **46.2935, 28.7329, 30.8558**.

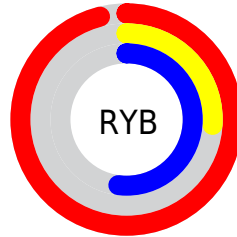
# Distribution



Red (96%)

Green (26%)

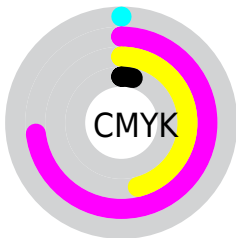
Blue (52%)



Red (96%)

Yellow (26%)

Blue (52%)

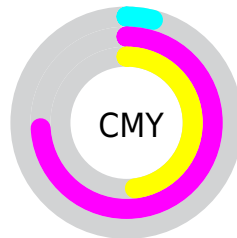


Cyan (0%)

Magenta (73%)

Yellow (46%)

Black (4%)



Cyan (4%)

Magenta (74%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4213, 24.7955, 24.3272 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 43.4213, 24.7955, 24.3272 by changing the saturation by 10% instead.





 43.4213, 24.7955,  
24.3272

 43.4213, 24.7955,  
24.3272


351.2337,  
276.8180, 287.8102


 30.4118, 15.9248,  
15.3621


 79.5980, 51.3253,  
51.5141

 20.3010, 9.4709,  
8.9245


 103.4959, 69.7531,  
70.5730


 12.7235, 5.0496,  
4.5958


 131.7539, 92.1354,  
93.8336

 7.3141, 2.2764,  
1.9576

 164.7374,  
118.8566, 121.7143

 3.7074, 0.7612,  
0.5290

 202.8118,  
150.3010, 154.6338

 1.5380, 0.0000,  
0.0000

246.3424,

 0.3514, 0.0000,

186.8532, 193.0106

0.0000

295.6946,  
228.8973, 237.2632

■ 0.0000, 0.0000,  
0.0000

■ 43.4213, 24.7955,  
24.3272

■ 43.4213, 24.7955,  
24.3272

■ 41.3126, 22.1377,  
18.8164

■ 46.2935, 28.7329,  
30.8558

■ 39.8752, 20.5859,  
14.2591


■ 50.0022, 34.0857,  
38.4571


■ 39.1733, 19.9791,  
11.5679


■ 54.6136, 40.9767,  
47.1829


■ 60.1864, 49.5143,  
57.0805

■ 66.7741, 59.7968,  
68.1946

 74.4261, 71.9150,  
80.5670

 83.1886, 85.9531,  
94.2374

 91.0909, 97.9622,  
108.5726

 91.1181, 97.9730,  
108.7160

# Harmonies

## Analogous

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



40.9777, 24.7955, 53.0922



43.4213, 24.7955, 24.3272



39.5979, 24.7955, 8.7937

# Triad

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



43.4213, 24.7955, 24.3272



15.8000, 24.7955, 3.9723



17.1154, 24.7955, 92.2541

# Complementary

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



43.4213, 24.7955, 24.3272



42.6353, 69.0747, 53.2114

# 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.



12.5790, 24.7955, 60.9672



43.4213, 24.7955, 24.3272



11.9545, 24.7955, 11.2604

# Square

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



43.4213, 24.7955, 24.3272



22.6153, 24.7955, 2.2252



10.9310, 24.7955, 29.8576



24.5458, 24.7955, 103.4474



# Rectangle

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



43.4213, 24.7955, 24.3272



34.4372, 24.7955, 4.3798



10.9310, 24.7955, 29.8576



15.2656, 24.7955, 83.0942

# Sweetspot

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



43.4220, 24.7969, 24.3276



74.5188, 67.2122, 76.5469



36.1309, 19.6330, 87.4730



15.4959, 13.6723, 15.6332



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.



43.4220, 24.7969, 24.3276



44.7452, 23.4295, 18.0225



41.6821, 26.4070, 8.0564



16.7532, 16.5841, 18.4467



21.3608, 10.8877, 6.6082



1.9253, 0.9761, 0.8331



# Inverse Universe

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



43.4220, 24.7969, 24.3276



44.7452, 23.4295, 18.0225



45.0271, 60.5911, 94.9098



16.7532, 16.5841, 18.4467



21.3608, 10.8877, 6.6082



1.9253, 0.9761, 0.8331



# Previews

## White Background



This preview shows how the XYZ color 43.4213, 24.7955, 24.3272 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 43.4213, 24.7955, 24.3272 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 × Fail

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

**XYZ 43.4213, 24.7955, 24.3272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4213, 24.7955, 24.3272.



This preview shows how white text looks on a background with the XYZ color 43.4213, 24.7955,



# 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

43.4213, 24.7955, 24.3272

### Protanopia

25.0125, 24.8957, 42.5168

### Deuteranopia

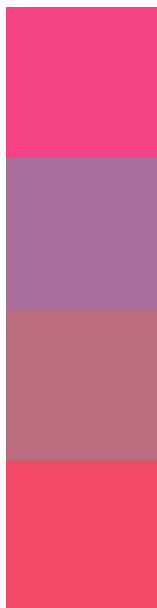
25.3440, 24.9012, 22.2095



## Tritanopia

40.5230, 24.7587, 10.6258

# Trichromacy



## Original Color

43.4213, 24.7955, 24.3272

## Protanomaly

28.2393, 22.1322, 34.6819

## Deuteranomaly

29.6220, 22.7963, 22.5775

## Tritanomaly

41.3670, 24.6949, 14.6429

# Monochromacy



## Original Color

43.4213, 24.7955, 24.3272

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

25.5916, 20.2342, 23.3256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4213, 24.7955, 24.3272 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(244, 66, 132)` looks like.

```
.text, #text, p{  
    color:rgb(244, 66, 132)  
}
```

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(244, 66, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 66, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4213, 24.7955, 24.3272 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(244, 66, 132) }
```



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

```
.border{ border-color:rgb(244, 66, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 66, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 66, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 66, 132);  
box-shadow:4px 4px 4px 4px rgb(244, 66,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4213, 24.7955, 24.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 66, 132) }
```

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

```
.background{ background-color: rgb(244, 66,  
132) }
```

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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