

# Converting Colors

XYZ(43.1930, 24.5612, 21.8666)

Have a look what the booklet for  
XYZ(43.1930, 24.5612, 21.8666)  
contains.

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# Color

**XYZ(43.1913, 24.5599,  
21.8661)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5407D
RGB	245, 64, 125
RGB Percent	96%, 25%, 49%
CMY	0.0392, 0.7490, 0.5098
CMYK	0.00, 0.74, 0.49, 0.04
HSL	340°, 90%, 61%
HSV	340°, 74%, 96%
XYZ	43.1913, 24.5599, 21.8661
YIQ	125.0730, 88.2950, 57.3430

# Conversions

## Conversions Part 2

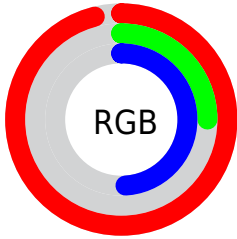
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 64, 125
Decimal	16072829
CIE <sub>Lab</sub>	56.64, 71.28, 8.13
CIE <sub>LCh</sub>	57, 71.746, 6.505
Yxy	24.5599, 0.4820, 0.2741
Android (android.graphics.Color)	4294262909 (0xFFFF5407D)
YUV	125.0730, -0.0360, 105.1760
Hunter-Lab	49.5579, 68.8419, 8.5305

# Details

The XYZ color **43.1913, 24.5599, 21.8661** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle washed rose. A complement of this color would be **43.4205, 69.8564, 56.5489**, and the grayscale version is **19.4985, 20.5139, 22.3397**.

A 20% lighter version of the original color is **56.6367, 39.3560, 46.2064**, and **20.8680, 10.6031, 7.9679** is the 20% darker color. If you saturate the color by 10%, you get **41.1458, 21.9962, 16.4764**, and if you desaturate by 10%, it is **46.0140, 28.4067, 28.3526**.

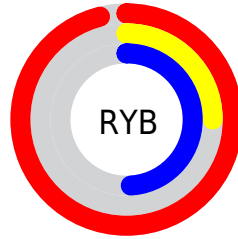
# Distribution



Red (96%)

Green (25%)

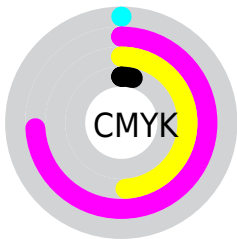
Blue (49%)



Red (96%)

Yellow (25%)

Blue (49%)

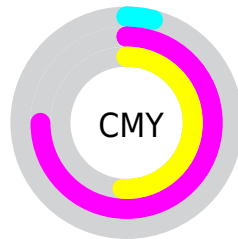


Cyan (0%)

Magenta (74%)

Yellow (49%)

Black (4%)



Cyan (4%)

Magenta (75%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1913, 24.5599, 21.8661 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 43.1913, 24.5599, 21.8661 by changing the saturation by 10% instead.





 43.1913, 24.5599,  
21.8661


 43.1913, 24.5599,  
21.8661


350.3061,  
275.6391, 274.7769


 30.2304, 15.7495,  
13.5612


 79.2534, 50.9423,  
47.4239


 20.1625, 9.3470,  
7.6808

 103.0853, 69.2832,  
65.5139


 12.6222, 4.9682,  
3.8066


 131.2715, 91.5695,  
87.7027

 7.2441, 2.2286,  
1.5198

 164.1776,  
118.1859, 114.4087

 3.6629, 0.7355,  
0.2326

 202.1687,  
149.5167, 146.0507

 1.5132, 0.0000,  
0.0000

245.6102,

 0.3348, 0.0000,

185.9462, 183.0470

0.0000

294.8676,  
227.8588, 225.8162

■ 0.0000, 0.0000,  
0.0000

■ 43.1913, 24.5599,  
21.8661

■ 43.1913, 24.5599,  
21.8661

■ 41.1458, 21.9962,  
16.4764

■ 46.0140, 28.4067,  
28.3526

■ 39.7814, 20.5362,  
12.1101


■ 49.6903, 33.6765,  
35.9987


■ 39.2005, 20.0302,  
9.8947

■ 54.2887, 40.4953,  
44.8630

■ 59.8704, 48.9741,  
54.9994

■ 66.4906, 59.2134,  
66.4583

 74.2007, 71.3059,  
79.2871

 83.0484, 85.3376,  
93.5310

 91.4587, 98.1495,  
108.6927

 91.4662, 98.1525,  
108.7323

# Harmonies

## Analogous

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



41.3682, 24.5599, 49.5653



43.1913, 24.5599, 21.8661



38.7629, 24.5599, 7.6612

# Triad

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



43.1913, 24.5599, 21.8661



15.0398, 24.5599, 4.2004



17.5128, 24.5599, 94.9042

# Complementary

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



43.1913, 24.5599, 21.8661



43.4205, 69.8564, 56.5489

# 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.



12.6751, 24.5599, 64.4539



43.1913, 24.5599, 21.8661



11.5033, 24.5599, 12.2860

# Square

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



43.1913, 24.5599, 21.8661



21.5724, 24.5599, 2.1389



10.7546, 24.5599, 32.2927



25.2088, 24.5599, 103.3175



# Rectangle

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



43.1913, 24.5599, 21.8661



33.3658, 24.5599, 3.8102



10.7546, 24.5599, 32.2927



15.5606, 24.5599, 86.2872

# Sweetspot

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



43.1919, 24.5613, 21.8665



74.2697, 67.1126, 75.2350



37.5253, 20.1638, 88.3003



15.4376, 13.6490, 15.3262



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.



43.1919, 24.5613, 21.8665



44.1820, 23.1031, 15.3680



42.3367, 27.2924, 7.8889



16.7295, 16.5747, 18.3221



21.1758, 10.8137, 5.6340



1.9071, 0.9688, 0.7373



# Inverse Universe

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



43.1919, 24.5613, 21.8665



44.1820, 23.1031, 15.3680



43.6295, 57.7489, 95.2333



16.7295, 16.5747, 18.3221



21.1758, 10.8137, 5.6340



1.9071, 0.9688, 0.7373



# Previews

## White Background



This preview shows how the XYZ color 43.1913, 24.5599, 21.8661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

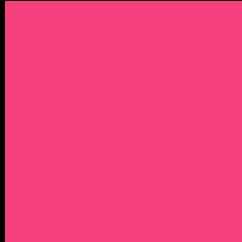
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1913, 24.5599, 21.8661 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 43.1913, 24.5599, 21.8661**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1913, 24.5599, 21.8661.



This preview shows how white text looks on a background with the XYZ color 43.1913, 24.5599,



# 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

43.1913, 24.5599, 21.8661

### Protanopia

24.5707, 24.7541, 38.6050

### Deuteranopia

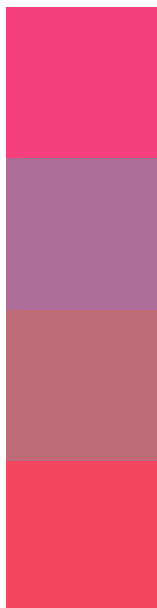
24.9790, 24.5615, 19.9473



## Tritanopia

40.5453, 24.4739, 9.9841

# Trichromacy



## Original Color

43.1913, 24.5599, 21.8661

## Protanomaly

27.9869, 21.9099, 31.6081

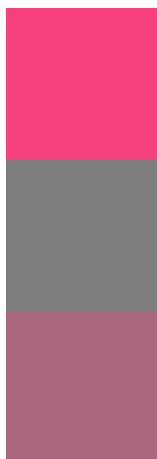
## Deuteranomaly

29.3265, 22.5387, 20.2575

## Tritanomaly

41.3267, 24.4057, 13.5989

# Monochromacy



## Original Color

43.1913, 24.5599, 21.8661

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

24.9141, 19.6162, 21.8752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1913, 24.5599, 21.8661 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(245, 64, 125)` looks like.

```
.text, #text, p{  
    color:rgb(245, 64, 125)  
}
```

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(245, 64, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 64, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1913, 24.5599, 21.8661 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(245, 64, 125) }
```



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

```
.border{ border-color:rgb(245, 64, 125) }
```

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

Here you see how a box with a 4 pixel rgb(245, 64, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 64, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 64, 125);  
box-shadow:4px 4px 4px 4px rgb(245, 64,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1913, 24.5599, 21.8661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 64, 125) }
```

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

```
.background{ background-color: rgb(245, 64,  
125) }
```

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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