

# Converting Colors

XYZ(42.8436, 24.6940, 23.3177)

Have a look what the booklet for  
XYZ(42.8436, 24.6940, 23.3177)  
contains.

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# Color

**XYZ(42.9917, 24.7739,  
23.2848)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F34481
RGB	243, 68, 129
RGB Percent	95%, 27%, 51%
CMY	0.0471, 0.7333, 0.4941
CMYK	0.00, 0.72, 0.47, 0.05
HSL	339°, 88%, 61%
HSV	339°, 72%, 95%
XYZ	42.9917, 24.7739, 23.2848
YIQ	127.2790, 84.7190, 56.0710

# Conversions

## Conversions Part 2

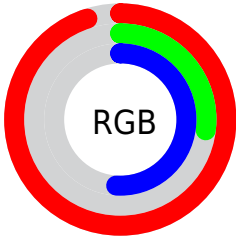
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 68, 129
Decimal	15942785
CIE Lab	56.85, 69.78, 6.01
CIE LCh	57, 70.043, 4.923
Yxy	24.7739, 0.4722, 0.2721
Android (android.graphics.Color)	4294132865 (0xFFFF34481)
YUV	127.2790, 0.8485, 101.4873
Hunter-Lab	49.7734, 67.0757, 7.1045

# Details

The XYZ color **42.9917, 24.7739, 23.2848** 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 **42.8799, 68.7082, 55.2639**, and the grayscale version is **20.2471, 21.3015, 23.1973**.

A 20% lighter version of the original color is **57.5338, 40.3379, 49.0096**, and **20.5040, 10.4029, 8.5167** is the 20% darker color. If you saturate the color by 10%, you get **40.8422, 22.0307, 17.7727**, and if you desaturate by 10%, it is **45.9141, 28.8022, 29.8593**.

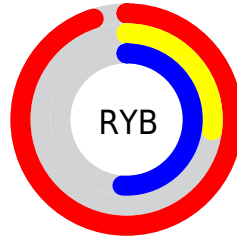
# Distribution



Red (95%)

Green (27%)

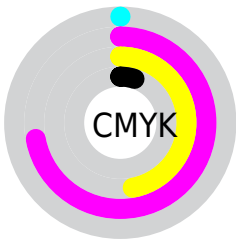
Blue (51%)



Red (95%)

Yellow (27%)

Blue (51%)

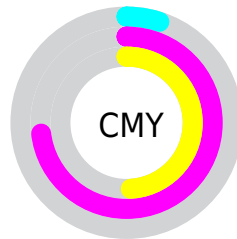


Cyan (0%)

Magenta (72%)

Yellow (47%)

Black (5%)



Cyan (5%)

Magenta (73%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9917, 24.7739, 23.2848 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 42.9917, 24.7739, 23.2848 by changing the saturation by 10% instead.





 42.9917, 24.7739,  
23.2848

 42.9917, 24.7739,  
23.2848


349.4997,  
276.7101, 282.3536


 30.0731, 15.9087,  
14.5967


 78.9541, 51.2902,  
49.7897


 20.0424, 9.4596,  
8.3933


 102.7287, 69.7100,  
68.4435


 12.5343, 5.0421,  
4.2563


 130.8525, 92.0836,  
91.2562

 7.1835, 2.2720,  
1.7670

 163.6911,  
118.7952, 118.6465

 3.6244, 0.7588,  
0.4060

 201.6098,  
150.2292, 151.0329

 1.4919, 0.0000,  
0.0000

244.9739,

 0.3203, 0.0000,

186.7701, 188.8338

0.0000

294.1487,  
228.8023, 232.4679

■ 0.0000, 0.0000,  
0.0000

■ 42.9917, 24.7739,  
23.2848

■ 42.9917, 24.7739,  
23.2848

■ 40.8422, 22.0307,  
17.7727

■ 45.9141, 28.8022,  
29.8593

■ 39.3755, 20.4038,  
13.2554


■ 49.6814, 34.2482,  
37.5541


■ 38.5895, 19.7056,  
10.3002


■ 54.3592, 41.2325,  
46.4239

■ 60.0057, 49.8614,  
56.5187

■ 66.6740, 60.2320,  
67.8857

 74.4134, 72.4334,  
80.5691

 83.2698, 86.5490,  
94.6111

 90.7720, 97.7946,  
108.6998

# Harmonies

## Analogous

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



40.8949, 24.7739, 50.9764



42.9917, 24.7739, 23.2848



38.9723, 24.7739, 8.5110

# Triad

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



42.9917, 24.7739, 23.2848



15.6297, 24.7739, 4.3139



17.4802, 24.7739, 91.9621

# Complementary

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



42.9917, 24.7739, 23.2848



42.8799, 68.7082, 55.2639

# 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.



12.8466, 24.7739, 61.9304



42.9917, 24.7739, 23.2848



11.9649, 24.7739, 12.0130

# Square

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



42.9917, 24.7739, 23.2848



22.2205, 24.7739, 2.3681



11.0789, 24.7739, 31.0349



24.9249, 24.7739, 101.5345



# Rectangle

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



42.9917, 24.7739, 23.2848



33.8118, 24.7739, 4.3345



11.0789, 24.7739, 31.0349



15.6031, 24.7739, 83.3186

# Sweetspot

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



42.9924, 24.7753, 23.2852



74.3546, 67.1465, 75.6823



37.4788, 20.5219, 86.7795



15.4575, 13.6569, 15.4308



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.



42.9924, 24.7753, 23.2852



44.7939, 23.6765, 17.5771



42.0316, 27.5239, 8.5681



16.7376, 16.5779, 18.3647



21.2368, 10.8382, 5.9553



1.9132, 0.9712, 0.7692



# Inverse Universe

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



42.9924, 24.7753, 23.2852



44.7939, 23.6765, 17.5771



43.3112, 57.1981, 93.5514



16.7376, 16.5779, 18.3647



21.2368, 10.8382, 5.9553



1.9132, 0.9712, 0.7692



# Previews

## White Background



This preview shows how the XYZ color 42.9917, 24.7739, 23.2848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

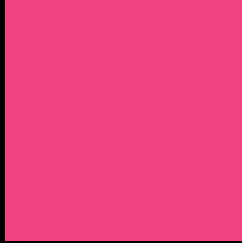
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9917, 24.7739, 23.2848 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 42.9917, 24.7739, 23.2848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9917, 24.7739, 23.2848.



This preview shows how white text looks on a background with the XYZ color 42.9917, 24.7739,

23.2848.

# 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

42.9917, 24.7739, 23.2848

### Protanopia

25.0780, 25.1813, 40.5845

### Deuteranopia

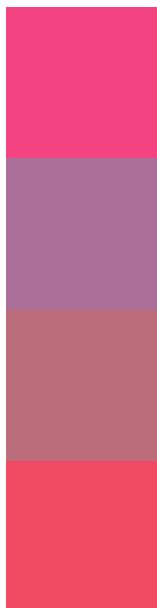
25.3517, 24.9265, 21.2444



## Tritanopia

40.2925, 24.7418, 10.8356

# Trichromacy



## Original Color

42.9917, 24.7739, 23.2848

## Protanomaly

28.3118, 22.3599, 33.3955

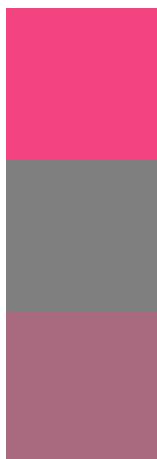
## Deuteranomaly

29.7828, 23.0587, 21.6199

## Tritanomaly

41.0920, 24.6530, 14.6493

# Monochromacy



## Original Color

42.9917, 24.7739, 23.2848

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

25.4125, 20.3016, 23.0013

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9917, 24.7739, 23.2848 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(243, 68, 129)` looks like.

```
.text, #text, p{  
    color:rgb(243, 68, 129)  
}
```

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(243, 68, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 68, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9917, 24.7739, 23.2848 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(243, 68, 129) }
```



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

```
.border{ border-color:rgb(243, 68, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 68, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 68, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 68, 129);  
box-shadow:4px 4px 4px 4px rgb(243, 68,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9917, 24.7739, 23.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 68, 129) }
```

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

```
.background{ background-color: rgb(243, 68,  
129) }
```

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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