

# Converting Colors

XYZ(41.2652, 24.2717, 20.7996)

Have a look what the booklet for  
XYZ(41.2652, 24.2717, 20.7996)  
contains.

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# Color

**XYZ(41.4268, 24.3906,  
20.9368)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | EF487A                     |
| RGB           | 239, 72, 122               |
| RGB Percent   | 94%, 28%, 48%              |
| CMY           | 0.0627, 0.7176, 0.5216     |
| CMYK          | 0.00, 0.70, 0.49, 0.06     |
| HSL           | 342°, 84%, 61%             |
| HSV           | 342°, 70%, 94%             |
| XYZ           | 41.4268, 24.3906, 20.9368  |
| YIQ           | 127.6330, 83.4820, 50.9540 |

# Conversions

## Conversions Part 2

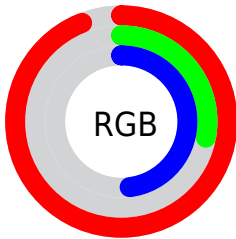
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 239, 72, 122                  |
| Decimal                             | 15681658                      |
| CIE <sub>Lab</sub>                  | 56.48, 66.70, 9.52            |
| CIE <sub>LCh</sub>                  | 56, 67.374, 8.125             |
| Yxy                                 | 24.3906, 0.4775,<br>0.2811    |
| Android<br>(android.graphics.Color) | 4293871738<br>(0xFFEF487A)    |
| YUV                                 | 127.6330, -2.7771,<br>97.6689 |
| Hunter-Lab                          | 49.3868, 63.3029,<br>9.4357   |

# Details

The XYZ color **41.4268, 24.3906, 20.9368** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **42.7261, 66.7855, 58.7888**, and the grayscale version is **20.3814, 21.4428, 23.3512**.

A 20% lighter version of the original color is **56.9963, 40.5486, 44.8670**, and **19.3675, 9.8415, 7.3574** is the 20% darker color. If you saturate the color by 10%, you get **39.2209, 21.4988, 15.5160**, and if you desaturate by 10%, it is **44.4129, 28.5568, 27.5001**.

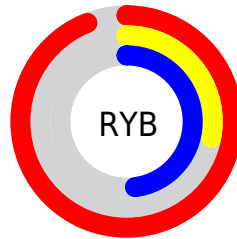
# Distribution



Red (94%)

Green (28%)

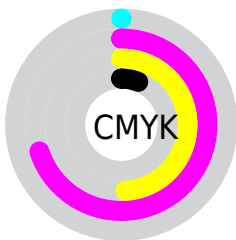
Blue (48%)



Red (94%)

Yellow (28%)

Blue (48%)

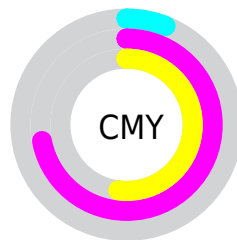


Cyan (0%)

Magenta (70%)

Yellow (49%)

Black (6%)



Cyan (6%)

Magenta (72%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4268, 24.3906, 20.9368 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 41.4268, 24.3906, 20.9368 by changing the saturation by 10% instead.





 41.4268, 24.3906,  
20.9368


 41.4268, 24.3906,  
20.9368

343.1335,  
274.7893, 269.7124


 28.8419, 15.6236,  
12.8870


 76.6020, 50.6669,  
45.8618

 19.1049, 9.2582,  
7.2210


 99.9230, 68.9449,  
63.5740


 11.8506, 4.9100,  
3.5201


 127.5533, 91.1621,  
85.3442

 6.7135, 2.1945,  
1.3660

 159.8584,  
117.7029, 111.5908

 3.3283, 0.7170,  
0.1150

 197.2036,  
148.9516, 142.7324

 1.3297, 0.0000,  
0.0000

239.9543,

 0.2053, 0.0000,

185.2927, 179.1875

0.0000

288.4758,  
227.1104, 221.3747

■ 0.0000, 0.0000,  
0.0000

■ 41.4268, 24.3906,  
20.9368

■ 41.4268, 24.3906,  
20.9368

■ 39.2209, 21.4988,  
15.5160

■ 44.4129, 28.5568,  
27.5001

■ 37.7101, 19.7257,  
11.1636

■ 48.2480, 34.1213,  
35.2702


■ 36.7619, 18.8222,  
7.7862


■ 52.9951, 41.1974,  
44.3076


■ 36.7514, 18.8126,  
7.7478

■ 58.7107, 49.8858,  
54.6683

■ 65.4463, 60.2785,  
66.4043

 73.2499, 72.4603,  
79.5652

 82.1662, 86.5107,  
94.1976

 89.4065, 97.0906,  
108.6359

# Harmonies

## Analogous

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



40.0733, 24.3906, 45.9921



41.4268, 24.3906, 20.9368



37.0968, 24.3906, 7.8852

# Triad

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



41.4268, 24.3906, 20.9368



15.1006, 24.3906, 5.0714



18.0312, 24.3906, 89.6926

# Complementary

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



41.4268, 24.3906, 20.9368



42.7261, 66.7855, 58.7888

# 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.



13.2719, 24.3906, 62.8850



41.4268, 24.3906, 20.9368



11.8633, 24.3906, 13.5524

# Square

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



41.4268, 24.3906, 20.9368



21.1266, 24.3906, 2.6917



11.2786, 24.3906, 33.1030



25.3677, 24.3906, 95.8183



# Rectangle

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



41.4268, 24.3906, 20.9368



32.0393, 24.3906, 4.2317



11.2786, 24.3906, 33.1030



16.1299, 24.3906, 82.2870

# Sweetspot

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



41.4274, 24.3920, 20.9372



74.8187, 68.2782, 75.2096



38.8602, 21.6746, 83.7965



15.5342, 13.8713, 15.2684



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.



41.4274, 24.3920, 20.9372



44.5719, 23.8504, 15.5982



41.8598, 29.0053, 9.5251



15.9675, 15.8367, 17.3852



20.3602, 10.4165, 4.5472



1.7361, 0.8835, 0.6009



# Inverse Universe

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



41.4274, 24.3920, 20.9372



44.5719, 23.8504, 15.5982



40.2288, 51.5613, 89.4931



15.9675, 15.8367, 17.3852



20.3602, 10.4165, 4.5472



1.7361, 0.8835, 0.6009



# Previews

## White Background



This preview shows how the XYZ color 41.4268, 24.3906, 20.9368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

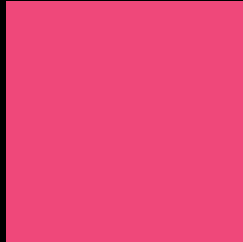
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4268, 24.3906, 20.9368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

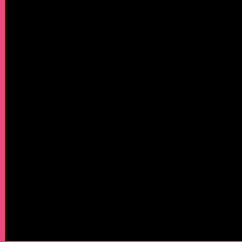
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.4268, 24.3906, 20.9368**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4268, 24.3906, 20.9368.



This preview shows how white text looks on a background with the XYZ color 41.4268, 24.3906,



# 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

41.4268, 24.3906, 20.9368

### Protanopia

24.1804, 24.6338, 34.9328

### Deuteranopia

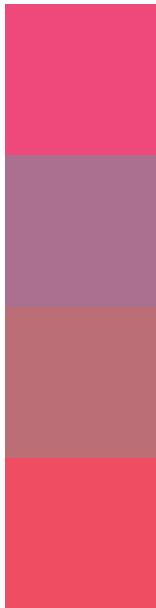
25.0582, 24.6156, 19.3502



## Tritanopia

39.4334, 24.3977, 11.2252

# Trichromacy



## Original Color

41.4268, 24.3906, 20.9368

## Protanomaly

27.6228, 22.2599, 29.2263

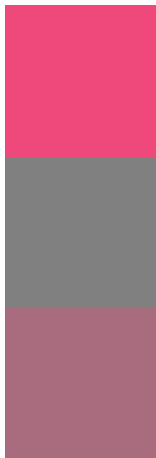
## Deuteranomaly

29.2803, 23.0010, 19.7260

## Tritanomaly

40.1184, 24.3667, 14.1441

# Monochromacy



## Original Color

41.4268, 24.3906, 20.9368

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

25.2769, 20.5563, 22.3742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4268, 24.3906, 20.9368 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(239, 72, 122)` looks like.

```
.text, #text, p{  
    color:rgb(239, 72, 122)  
}
```

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(239, 72, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 72, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4268, 24.3906, 20.9368 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(239, 72, 122) }
```



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

```
.border{ border-color:rgb(239, 72, 122) }
```

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

Here you see how a box with a 4 pixel rgb(239, 72, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 72, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 72, 122);  
box-shadow:4px 4px 4px 4px rgb(239, 72,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4268, 24.3906, 20.9368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 72, 122) }
```

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

```
.background{ background-color: rgb(239, 72,  
122) }
```

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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