

# Converting Colors

XYZ(45.9378, 26.9966, 21.8585)

Have a look what the booklet for  
XYZ(45.9378, 26.9966, 21.8585)  
contains.

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# Color

**XYZ(45.9378, 26.9966,  
21.8585)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FB4B7C
RGB	251, 75, 124
RGB Percent	98%, 29%, 49%
CMY	0.0157, 0.7058, 0.5137
CMYK	0.00, 0.70, 0.51, 0.02
HSL	343°, 96%, 64%
HSV	343°, 70%, 98%
XYZ	45.9378, 26.9966, 21.8585
YIQ	133.2100, 89.1670, 52.5510

# Conversions

## Conversions Part 2

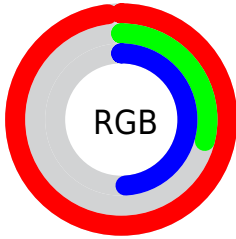
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 75, 124
Decimal	16468860
CIE <sub>Lab</sub>	58.97, 69.23, 12.15
CIE <sub>LCh</sub>	59, 70.293, 9.956
Yxy	26.9966, 0.4846, 0.2848
Android (android.graphics.Color)	4294658940 (0xFFFB4B7C)
YUV	133.2100, -4.5405, 103.3018
Hunter-Lab	51.9583, 66.8901, 11.4279

# Details

The XYZ color **45.9378, 26.9966, 21.8585** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **48.0615, 74.7552, 67.7797**, and the grayscale version is **22.3657, 23.5305, 25.6247**.

A 20% lighter version of the original color is **57.7404, 41.7225, 46.0843**, and **22.0435, 11.2132, 7.8400** is the 20% darker color. If you saturate the color by 10%, you get **43.5160, 23.8211, 15.9094**, and if you desaturate by 10%, it is **49.2424, 31.6013, 29.1403**.

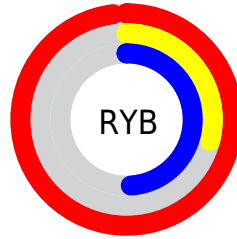
# Distribution



Red (98%)

Green (29%)

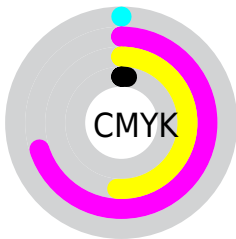
Blue (49%)



Red (98%)

Yellow (29%)

Blue (49%)

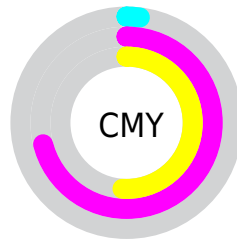


Cyan (0%)

Magenta (70%)

Yellow (51%)

Black (2%)



Cyan (2%)

Magenta (71%)

Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9378, 26.9966, 21.8585 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 45.9378, 26.9966, 21.8585 by changing the saturation by 10% instead.





 45.9378, 26.9966,  
21.8585


 45.9378, 26.9966,  
21.8585


361.2787,  
287.6407, 274.7358


 32.4012, 17.5707,  
13.5556


 83.3543, 54.8784,  
47.4112


 21.8251, 10.6422,  
7.6771


 107.9649, 74.1031,  
65.4981

 13.8443, 5.8268,  
3.8042


 136.9976, 97.3628,  
87.6835

 8.0935, 2.7400,  
1.5186

 170.8176,  
125.0419, 114.3858

 4.2071, 0.9976,  
0.2317

209.7904,  
157.5249, 146.0237

 1.8200, 0.0000,  
0.0000

254.2812,

 0.5297, 0.0000,

195.1961, 183.0156

0.0000

304.6555,  
238.4399, 225.7801

■ 0.0000, 0.0000,  
0.0000

■ 45.9378, 26.9966,  
21.8585

■ 45.9378, 26.9966,  
21.8585

■ 43.5160, 23.8211,  
15.9094

■ 49.2424, 31.6013,  
29.1403

■ 41.8792, 21.8972,  
11.2030


■ 53.5089, 37.7760,  
37.8330


■ 40.8849, 20.9497,  
7.6616


■ 58.8096, 45.6494,  
48.0101

■ 65.2091, 55.3357,  
59.7390

■ 72.7664, 66.9390,  
73.0830

 81.5364, 80.5556,  
88.1016

 91.5703, 96.2752,  
104.8513

 93.5935, 99.2491,  
108.8318

# Harmonies

## Analogous

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



44.8234, 26.9966, 49.0846



45.9378, 26.9966, 21.8585



40.7540, 26.9966, 8.1010

# Triad

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



45.9378, 26.9966, 21.8585



16.3382, 26.9966, 5.8292



20.3377, 26.9966, 101.3802

# Complementary

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



45.9378, 26.9966, 21.8585



48.0615, 74.7552, 67.7797

# 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.



14.8453, 26.9966, 72.1995



45.9378, 26.9966, 21.8585



12.9245, 26.9966, 15.8317

# Square

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



45.9378, 26.9966, 21.8585



22.8719, 26.9966, 2.9437



12.4481, 26.9966, 38.4901



28.6648, 26.9966, 106.4441



# Rectangle

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



45.9378, 26.9966, 21.8585



34.9890, 26.9966, 4.3577



12.4481, 26.9966, 38.4901



18.1559, 26.9966, 93.5153

# Sweetspot

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



45.9385, 26.9981, 21.8589



74.6725, 68.2197, 74.4397



44.0534, 24.4351, 93.6610



15.4999, 13.8576, 15.0876



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.



45.9385, 26.9981, 21.8589



44.3470, 23.7604, 14.4139



46.9749, 32.8593, 10.5253



17.4432, 17.3046, 18.9234



21.5437, 11.0332, 4.3056



2.0383, 1.0390, 0.6249



# Inverse Universe

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



45.9385, 26.9981, 21.8589



44.3470, 23.7604, 14.4139



44.0763, 55.9839, 99.7493



17.4432, 17.3046, 18.9234



21.5437, 11.0332, 4.3056



2.0383, 1.0390, 0.6249



# Previews

## White Background



This preview shows how the XYZ color 45.9378, 26.9966, 21.8585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

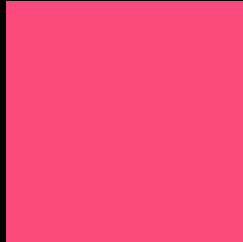
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9378, 26.9966, 21.8585 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 45.9378, 26.9966, 21.8585**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9378, 26.9966, 21.8585.



This preview shows how white text looks on a background with the XYZ color 45.9378, 26.9966,



# 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

45.9378, 26.9966, 21.8585

### Protanopia

26.5981, 27.1284, 36.6353

### Deuteranopia

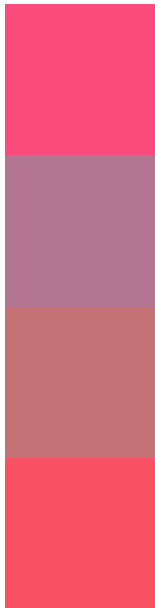
27.5572, 27.1285, 20.0035



## Tritanopia

43.8805, 27.0144, 11.9184

# Trichromacy



## Original Color

45.9378, 26.9966, 21.8585

## Protanomaly

30.3720, 24.5012, 30.3226

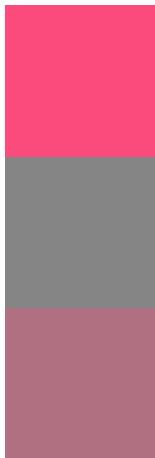
## Deuteranomaly

32.0523, 25.0784, 20.2908

## Tritanomaly

44.5933, 26.9814, 14.9142

# Monochromacy



## Original Color

45.9378, 26.9966, 21.8585

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

27.7279, 22.4302, 23.9871

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9378, 26.9966, 21.8585 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(251, 75, 124)` looks like.

```
.text, #text, p{  
    color:rgb(251, 75, 124)  
}
```

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(251, 75, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 75, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9378, 26.9966, 21.8585 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(251, 75, 124) }
```



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

```
.border{ border-color:rgb(251, 75, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 75, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 75, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 75, 124);  
box-shadow:4px 4px 4px 4px rgb(251, 75,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9378, 26.9966, 21.8585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 75, 124) }
```

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

```
.background{ background-color: rgb(251, 75,  
124) }
```

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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