

# Converting Colors

XYZ(64.7051, 40.9557, 27.1656)

Have a look what the booklet for  
XYZ(64.7051, 40.9557, 27.1656)  
contains.

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# Color

**XYZ(51.0117, 33.9185,  
26.4126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6D86
RGB	255, 109, 134
RGB Percent	100%, 43%, 53%
CMY	0.0000, 0.5725, 0.4745
CMYK	0.00, 0.57, 0.47, 0.00
HSL	350°, 100%, 71%
HSV	350°, 57%, 100%
XYZ	51.0117, 33.9185, 26.4126
YIQ	155.5040, 78.9910, 38.7270

# Conversions

## Conversions Part 2

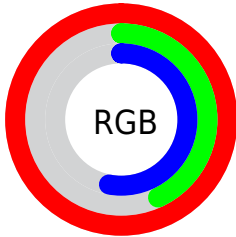
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 109, 134
Decimal	16739718
CIE Lab	64.90, 57.63, 14.75
CIE LCh	65, 59.491, 14.352
Yxy	33.9185, 0.4581, 0.3046
Android (android.graphics.Color)	4294929798 (0xFFFF6D86)
YUV	155.5040, -10.6015, 87.2580
Hunter-Lab	58.2396, 54.4278, 13.8787

# Details

The XYZ color **51.0117, 33.9185, 26.4126** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **56.3516, 80.4851, 87.4335**, and the grayscale version is **31.4014, 33.0368, 35.9770**.

A 20% lighter version of the original color is **63.6648, 51.7581, 53.6485**, and **24.8600, 14.4493, 10.0731** is the 20% darker color. If you saturate the color by 10%, you get **47.3453, 28.7138, 18.6303**, and if you desaturate by 10%, it is **55.7632, 40.8222, 36.0105**.

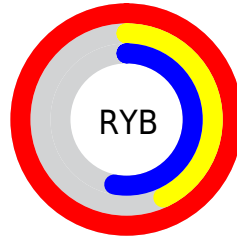
# Distribution



Red (100%)

Green (43%)

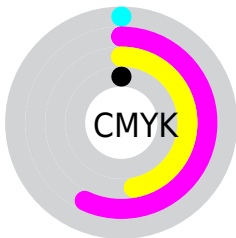
Blue (53%)



Red (100%)

Yellow (43%)

Blue (53%)

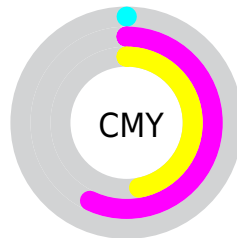


Cyan (0%)

Magenta (57%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0117, 33.9185, 26.4126 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 51.0117, 33.9185, 26.4126 by changing the saturation by 10% instead.





 51.0117, 33.9185,  
26.4126


 51.0117, 33.9185,  
26.4126


380.9962,  
319.7685, 298.4713

 36.4390, 22.8310,  
16.9040


 90.8550, 65.8069,  
54.9321

 24.9451, 14.4688,  
10.0049

 116.8562, 87.3766,  
74.7800

 16.1647, 8.4474,  
5.2965


 147.3977,  
113.2092, 98.9116

 9.7323, 4.3825,  
2.3605

 182.8448,  
143.6889, 127.7452

 5.2828, 1.8898,  
0.7648

223.5628,  
179.2004, 161.6994

 2.4506, 0.5422,  
0.0000

269.9172,

 0.8704, 0.0000,

220.1279, 201.1928

0.0000

322.2732,  
266.8558, 246.6440

■ 0.0000, 0.0000,  
0.0000

■ 51.0117, 33.9185,  
26.4126

■ 51.0117, 33.9185,  
26.4126

■ 47.3453, 28.7138,  
18.6303

■ 55.7632, 40.8222,  
36.0105

■ 44.6734, 25.0549,  
12.5454

■ 61.6754, 49.5498,  
47.5280

■ 42.8946, 22.7703,  
8.0280

■ 68.8199, 60.2208,  
61.0634

■ 41.8801, 21.6378,  
4.9263

■ 77.2619, 72.9430,  
76.7076

■ 41.6880, 21.4392,  
4.2898

■ 87.0617, 87.8160,  
94.5459

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



50.8806, 33.9185, 51.2004



51.0117, 33.9185, 26.4126



45.5352, 33.9185, 12.7674

# Triad

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



51.0117, 33.9185, 26.4126



22.0247, 33.9185, 12.3987



27.9895, 33.9185, 103.6839

# Complementary

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



51.0117, 33.9185, 26.4126



56.3516, 80.4851, 87.4335

# 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.



21.8206, 33.9185, 80.7952



51.0117, 33.9185, 26.4126



18.8170, 33.9185, 25.5953

# Square

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



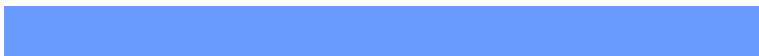
51.0117, 33.9185, 26.4126



28.3190, 33.9185, 7.4619



18.7496, 33.9185, 49.9272



36.5040, 33.9185, 104.2355



# Rectangle

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



51.0117, 33.9185, 26.4126



39.9210, 33.9185, 8.6118



18.7496, 33.9185, 49.9272



25.6109, 33.9185, 98.0100

# Sweetspot

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



51.0126, 33.9203, 26.4132



77.4916, 73.2904, 77.1291



55.5889, 34.6915, 98.3737



16.1990, 15.1015, 15.7966



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.



51.0126, 33.9203, 26.4132



46.8091, 27.9670, 17.4473



55.7618, 45.8866, 20.3885



18.1362, 18.0378, 19.3346



21.8197, 11.2172, 2.4349



2.1580, 1.1056, 0.4136



# Inverse Universe

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



51.0126, 33.9203, 26.4132



46.8091, 27.9670, 17.4473



47.1016, 55.9595, 102.9262



18.1362, 18.0378, 19.3346



21.8197, 11.2172, 2.4349



2.1580, 1.1056, 0.4136



# Previews

## White Background



This preview shows how the XYZ color 51.0117, 33.9185, 26.4126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

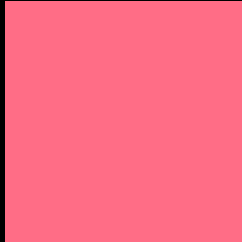
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0117, 33.9185, 26.4126 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 ✓ Pass

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

**XYZ 51.0117, 33.9185, 26.4126**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0117, 33.9185, 26.4126.



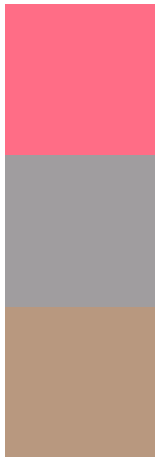
This preview shows how white text looks on a background with the XYZ color 51.0117, 33.9185,



# 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

51.0117, 33.9185, 26.4126

### Protanopia

32.8122, 34.0907, 37.6517

### Deuteranopia

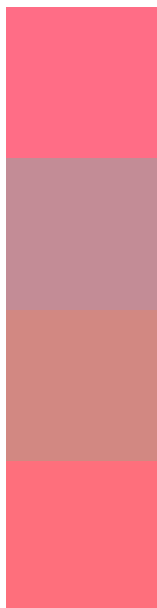
34.8262, 34.1791, 24.8404



## Tritanopia

49.9970, 33.9911, 21.3786

# Trichromacy



## Original Color

51.0117, 33.9185, 26.4126

## Protanomaly

37.3888, 32.5603, 33.1683

## Deuteranomaly

39.4118, 32.9217, 25.3964

## Tritanomaly

50.1956, 33.8949, 22.9656

# Monochromacy



## Original Color

51.0117, 33.9185, 26.4126

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

36.3161, 31.8098, 32.2428

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0117, 33.9185, 26.4126 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(255, 109, 134)` looks like.

```
.text, #text, p{  
  color:rgb(255, 109, 134)  
}
```

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(255, 109, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0117, 33.9185, 26.4126 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(255, 109, 134) }
```



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

```
.border{ border-color:rgb(255, 109, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0117, 33.9185, 26.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 134) }
```

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

```
.background{ background-color: rgb(255,  
109, 134) }
```

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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