

# Converting Colors

XYZ(46.5969, 26.2061, 21.4965)

Have a look what the booklet for  
XYZ(46.5969, 26.2061, 21.4965)  
contains.

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# Color

**XYZ(46.5927, 26.2451,  
21.3490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF3F7B
RGB	255, 63, 123
RGB Percent	100%, 25%, 48%
CMY	0.0000, 0.7529, 0.5176
CMYK	0.00, 0.75, 0.52, 0.00
HSL	341°, 100%, 62%
HSV	341°, 75%, 100%
XYZ	46.5927, 26.2451, 21.3490
YIQ	127.2480, 95.1720, 59.3640

# Conversions

## Conversions Part 2

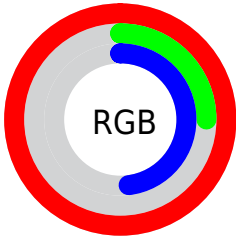
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 63, 123
Decimal	16727931
CIE <sub>Lab</sub>	58.27, 74.12, 11.86
CIE <sub>LCh</sub>	58, 75.060, 9.091
Yxy	26.2451, 0.4947, 0.2786
Android (android.graphics.Color)	4294918011 (0xFFFF3F7B)
YUV	127.2480, -2.0943, 112.0385
Hunter-Lab	51.2300, 72.6900, 11.1531

# Details

The XYZ color **46.5927, 26.2451, 21.3490** 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 **47.6626, 76.5178, 63.8951**, and the grayscale version is **20.2442, 21.2984, 23.1940**.

A 20% lighter version of the original color is **56.4387, 39.2769, 45.1640**, and **23.0082, 11.7145, 7.7051** is the 20% darker color. If you saturate the color by 10%, you get **44.4915, 23.6449, 15.7100**, and if you desaturate by 10%, it is **49.5450, 30.2333, 28.2418**.

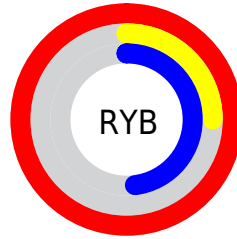
# Distribution



Red (100%)

Green (25%)

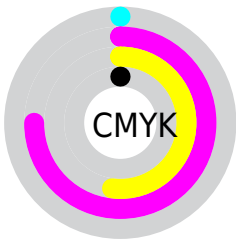
Blue (48%)



Red (100%)

Yellow (25%)

Blue (48%)

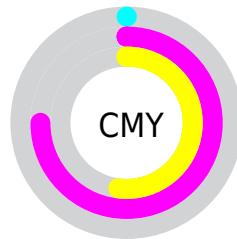


Cyan (0%)

Magenta (75%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (75%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5927, 26.2451, 21.3490 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 46.5927, 26.2451, 21.3490 by changing the saturation by 10% instead.





 46.5927, 26.2451,  
21.3490


 46.5927, 26.2451,  
21.3490


363.8625,  
283.9832, 271.9692


 32.9204, 17.0071,  
13.1856

 84.3278, 53.6701,  
46.5560


 22.2244, 10.2395,  
7.4243


 109.1213, 72.6259,  
64.4366


 14.1394, 5.5581,  
3.6464


 138.3525, 95.5897,  
86.3934

 8.3000, 2.5783,  
1.4334

 172.3868,  
122.9459, 112.8450

 4.3409, 0.9158,  
0.1676

 211.5897,  
155.0790, 144.2098

 1.8968, 0.0000,  
0.0000

256.3263,

 0.5750, 0.0000,

192.3733, 180.9064

0.0000

306.9621,  
235.2132, 223.3534

■ 0.0000, 0.0000,  
0.0000

■ 46.5927, 26.2451,  
21.3490

■ 46.5927, 26.2451,  
21.3490

■ 44.4915, 23.6449,  
15.7100

■ 49.5450, 30.2333,  
28.2418

■ 43.1303, 22.2267,  
11.2355


■ 53.4360, 35.7687,  
36.4649


■ 42.6759, 21.8343,  
9.4918

■ 58.3439, 42.9931,  
46.0894

■ 64.3378, 52.0314,  
57.1804

■ 71.4805, 62.9962,  
69.7987

 79.8301, 75.9912,  
84.0012

 89.4404, 91.1124,  
99.8423

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.



45.1889, 26.2451, 50.5243



46.5927, 26.2451, 21.3490



41.1928, 26.2451, 7.1584

# Triad

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



46.5927, 26.2451, 21.3490



15.4361, 26.2451, 4.6269



19.1924, 26.2451, 105.9173

# Complementary

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



46.5927, 26.2451, 21.3490



47.6626, 76.5178, 63.8951

# 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.



13.6544, 26.2451, 73.4188



46.5927, 26.2451, 21.3490



11.8819, 26.2451, 14.1323

# Square

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



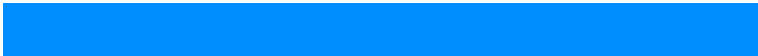
46.5927, 26.2451, 21.3490



22.2742, 26.2451, 2.1351



11.3207, 26.2451, 37.2747



27.8216, 26.2451, 112.4613



# Rectangle

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



46.5927, 26.2451, 21.3490



35.0877, 26.2451, 3.5096



11.3207, 26.2451, 37.2747



16.9738, 26.2451, 97.0124

# Sweetspot

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



46.5934, 26.2466, 21.3494



73.2830, 65.7876, 72.9073



42.1289, 22.2730, 96.6862



15.0828, 13.1486, 14.5630



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.



46.5934, 26.2466, 21.3494



43.7658, 22.8438, 13.4627



46.5250, 30.3940, 8.1192



18.2431, 18.0806, 19.8974



22.3580, 11.4325, 5.2696



2.2237, 1.1318, 0.7593



# Inverse Universe

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



46.5934, 26.2466, 21.3494



43.7658, 22.8438, 13.4627



45.6421, 59.3599, 103.6595



18.2431, 18.0806, 19.8974



22.3580, 11.4325, 5.2696



2.2237, 1.1318, 0.7593



# Previews

## White Background



This preview shows how the XYZ color 46.5927, 26.2451, 21.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

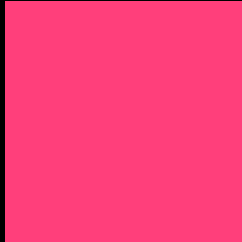
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5927, 26.2451, 21.3490 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 46.5927, 26.2451, 21.3490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5927, 26.2451, 21.3490.



This preview shows how white text looks on a background with the XYZ color 46.5927, 26.2451,



# 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

46.5927, 26.2451, 21.3490

### Protanopia

25.9968, 26.3438, 38.3650

### Deuteranopia

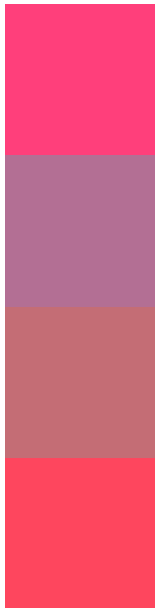
26.8055, 26.3294, 19.5889



## Tritanopia

44.2963, 26.3160, 9.7660

# Trichromacy



## Original Color

46.5927, 26.2451, 21.3490

## Protanomaly

29.6201, 23.0907, 30.9128

## Deuteranomaly

31.4445, 23.9574, 19.7966

## Tritanomaly

45.0836, 26.2593, 13.2821

# Monochromacy



## Original Color

46.5927, 26.2451, 21.3490

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

26.1718, 20.4057, 22.2979

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5927, 26.2451, 21.3490 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, 63, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 123)  
}
```

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, 63, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5927, 26.2451, 21.3490 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, 63, 123) }
```



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

```
.border{ border-color:rgb(255, 63, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 63, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 63,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5927, 26.2451, 21.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 63, 123) }
```

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

```
.background{ background-color: rgb(255, 63,  
123) }
```

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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