

# Converting Colors

XYZ(47.4531, 26.2189, 27.0219)

Have a look what the booklet for  
XYZ(47.4531, 26.2189, 27.0219)  
contains.

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# Color

**XYZ(47.4642, 26.2520,  
26.9916)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF3B8B
RGB	255, 59, 139
RGB Percent	100%, 23%, 55%
CMY	0.0000, 0.7686, 0.4549
CMYK	0.00, 0.77, 0.45, 0.00
HSL	336°, 100%, 62%
HSV	336°, 77%, 100%
XYZ	47.4642, 26.2520, 26.9916
YIQ	126.7240, 91.1360, 66.4320

# Conversions

## Conversions Part 2

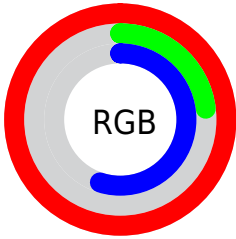
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 59, 139
Decimal	16726923
CIE <sub>Lab</sub>	58.28, 76.53, 2.42
CIE <sub>LCh</sub>	58, 76.571, 1.814
Yxy	26.2520, 0.4713, 0.2607
Android (android.graphics.Color)	4294917003 (0xFFFF3B8B)
YUV	126.7240, 6.0521, 112.4981
Hunter-Lab	51.2367, 75.6930, 4.6316

# Details

The XYZ color **47.4642, 26.2520, 26.9916** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **45.3037, 75.5459, 52.7587**, and the grayscale version is **20.0384, 21.0820, 22.9583**.

A 20% lighter version of the original color is **57.9621, 39.4811, 54.4348**, and **23.5414, 11.9277, 10.5127** is the 20% darker color. If you saturate the color by 10%, you get **45.4305, 23.8294, 21.2432**, and if you desaturate by 10%, it is **50.2909, 30.0170, 33.7559**.

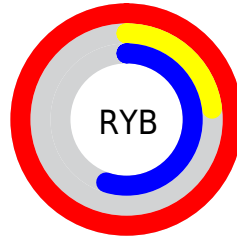
# Distribution



Red (100%)

Green (23%)

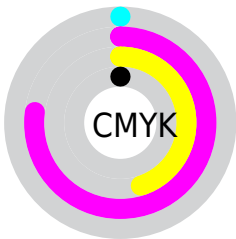
Blue (55%)



Red (100%)

Yellow (23%)

Blue (55%)

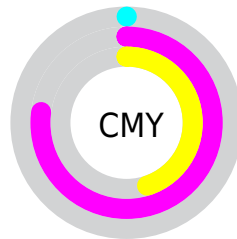


Cyan (0%)

Magenta (77%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (77%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4642, 26.2520, 26.9916 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 47.4642, 26.2520, 26.9916 by changing the saturation by 10% instead.





 47.4642, 26.2520,  
26.9916


 47.4642, 26.2520,  
26.9916


367.2824,  
284.0169, 301.3753

 33.6123, 17.0123,  
17.3345

 85.6206, 53.6812,  
55.8740


 22.7574, 10.2432,  
10.3088


 110.6559, 72.6395,  
75.9363


 14.5342, 5.5605,  
5.4959


 140.1495, 95.6060,  
100.3042

 8.5773, 2.5797,  
2.4773

 174.4671,  
122.9652, 129.3962

 4.5214, 0.9165,  
0.8281

 213.9737,  
155.1016, 163.6307

 2.0011, 0.0000,  
0.0000

259.0350,

 0.6346, 0.0000,

192.3993, 203.4264

0.0000

310.0161,  
235.2430, 249.2018

■ 0.0000, 0.0000,  
0.0000

■ 47.4642, 26.2520,  
26.9916

■ 47.4642, 26.2520,  
26.9916

■ 45.4305, 23.8294,  
21.2432

■ 50.2909, 30.0170,  
33.7559

■ 44.0773, 22.5341,  
16.4421

■ 53.9964, 35.2865,  
41.5929

■ 43.7423, 22.2609,  
15.1069

■ 58.6569, 42.2043,  
50.5556

■ 64.3394, 50.8956,  
60.6923

■ 71.1045, 61.4738,  
72.0481

79.0079, 74.0425,  
84.6652

88.1014, 88.6979,  
98.5838

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



44.2921, 26.2520, 60.2857



47.4642, 26.2520, 26.9916



43.4665, 26.2520, 9.1793

# Triad

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



47.4642, 26.2520, 26.9916



16.6539, 26.2520, 3.4023



17.4148, 26.2520, 101.7784

# Complementary

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



47.4642, 26.2520, 26.9916



45.3037, 75.5459, 52.7587

# 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.



12.6208, 26.2520, 65.0278



47.4642, 26.2520, 26.9916



12.2645, 26.2520, 10.5616

# Square

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



47.4642, 26.2520, 26.9916



24.3894, 26.2520, 1.8622



10.9944, 26.2520, 30.2378



25.5227, 26.2520, 116.5587



# Rectangle

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



47.4642, 26.2520, 26.9916



37.7369, 26.2520, 4.2562



10.9944, 26.2520, 30.2378



15.4396, 26.2520, 90.7921

# Sweetspot

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



47.4649, 26.2535, 26.9920



74.0152, 66.0804, 76.7629



36.9234, 19.2724, 96.3815



15.2577, 13.2185, 15.4840



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.



47.4649, 26.2535, 26.9920



44.6581, 23.0389, 18.6606



44.5694, 26.6552, 6.9355



18.3167, 18.1100, 20.2847



22.9258, 11.6596, 8.2600



2.2848, 1.1563, 1.0811



# Inverse Universe

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



47.4649, 26.2535, 26.9920



44.6581, 23.0389, 18.6606



50.6238, 69.6889, 105.3908



18.3167, 18.1100, 20.2847



22.9258, 11.6596, 8.2600



2.2848, 1.1563, 1.0811



# Previews

## White Background



This preview shows how the XYZ color 47.4642, 26.2520, 26.9916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

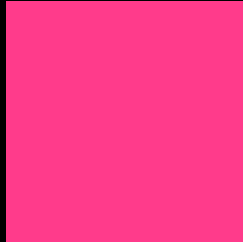
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4642, 26.2520, 26.9916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

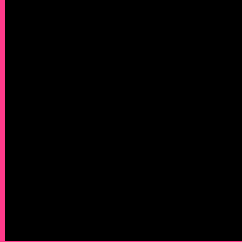
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.4642, 26.2520, 26.9916**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4642, 26.2520, 26.9916.



This preview shows how white text looks on a background with the XYZ color 47.4642, 26.2520,



# 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

47.4642, 26.2520, 26.9916

### Protanopia

26.8479, 26.5224, 50.1587

### Deuteranopia

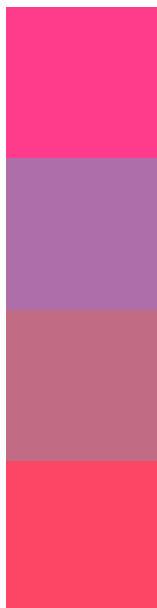
26.7270, 26.1820, 24.4139



## Tritanopia

44.0722, 26.2921, 10.1492

# Trichromacy



## Original Color

47.4642, 26.2520, 26.9916

## Protanomaly

30.1929, 23.0151, 40.3871

## Deuteranomaly

31.4837, 23.5463, 25.0758

## Tritanomaly

44.9851, 26.0785, 14.9746

# Monochromacy



## Original Color

47.4642, 26.2520, 26.9916

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

26.3037, 20.1401, 23.9738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4642, 26.2520, 26.9916 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, 59, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 139)  
}
```

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, 59, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4642, 26.2520, 26.9916 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, 59, 139) }
```



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

```
.border{ border-color:rgb(255, 59, 139) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4642, 26.2520, 26.9916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 139) }
```

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

```
.background{ background-color: rgb(255, 59,  
139) }
```

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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