

# Converting Colors

XYZ(47.1837, 26.1111, 25.6033)

Have a look what the booklet for  
XYZ(47.1837, 26.1111, 25.6033)  
contains.

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# Color

**XYZ(47.1771, 26.1372,  
25.4801)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF3B87
RGB	255, 59, 135
RGB Percent	100%, 23%, 53%
CMY	0.0000, 0.7686, 0.4706
CMYK	0.00, 0.77, 0.47, 0.00
HSL	337°, 100%, 62%
HSV	337°, 77%, 100%
XYZ	47.1771, 26.1372, 25.4801
YIQ	126.2680, 92.4200, 65.1880

# Conversions

## Conversions Part 2

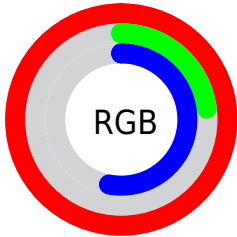
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 59, 135
Decimal	16726919
CIE <sub>Lab</sub>	58.17, 76.20, 4.63
CIE <sub>LCh</sub>	58, 76.338, 3.475
Yxy	26.1372, 0.4775, 0.2646
Android (android.graphics.Color)	4294916999 (0xFFFF3B87)
YUV	126.2680, 4.3049, 112.8980
Hunter-Lab	51.1246, 75.2496, 6.2375

# Details

The XYZ color **47.1771, 26.1372, 25.4801** 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 **45.7026, 75.7053, 54.8593**, and the grayscale version is **19.8884, 20.9241, 22.7864**.

A 20% lighter version of the original color is **57.5248, 39.3061, 52.1319**, and **23.4179, 11.8784, 9.8626** is the 20% darker color. If you saturate the color by 10%, you get **45.1512, 23.7177, 19.7731**, and if you desaturate by 10%, it is **50.0049, 29.9027, 32.2502**.

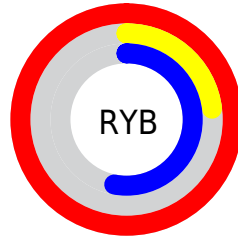
# Distribution



Red (100%)

Green (23%)

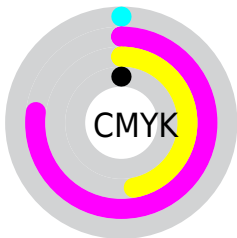
Blue (53%)



Red (100%)

Yellow (23%)

Blue (53%)

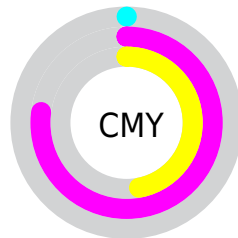


Cyan (0%)

Magenta (77%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (77%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1771, 26.1372, 25.4801 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 47.1771, 26.1372, 25.4801 by changing the saturation by 10% instead.





 47.1771, 26.1372,  
25.4801

 47.1771, 26.1372,  
25.4801


366.1581,  
283.4549, 293.7443


 33.3842, 16.9263,  
16.2128


 85.1951, 53.4962,  
53.4088


 22.5816, 10.1820,  
9.5189


 110.1508, 72.4131,  
72.9073


 14.4038, 5.5198,  
4.9798


 139.5583, 95.3341,  
96.6532

 8.4857, 2.5553,  
2.1769

 173.7828,  
122.6437, 125.0652

 4.4617, 0.9043,  
0.6610

 213.1896,  
154.7261, 158.5618

 1.9665, 0.0000,  
0.0000

258.1442,

 0.6150, 0.0000,

191.9659, 197.5615

0.0000

309.0120,  
234.7474, 242.4828

■ 0.0000, 0.0000,  
0.0000

■ 47.1771, 26.1372,  
25.4801

■ 47.1771, 26.1372,  
25.4801

■ 45.1512, 23.7177,  
19.7731

■ 50.0049, 29.9027,  
32.2502

■ 43.8140, 22.4288,  
15.0564


■ 53.7212, 35.1766,  
40.1440


■ 43.4856, 22.1582,  
13.7558

■ 58.4029, 42.1028,  
49.2180

■ 64.1175, 50.8070,  
59.5237

■ 70.9262, 61.4026,  
71.1092

 78.8854, 73.9937,  
84.0196

 88.0472, 88.6764,  
98.2978

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



44.4105, 26.1372, 57.8286



47.1771, 26.1372, 25.4801



42.8405, 26.1372, 8.5871

# Triad

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



47.1771, 26.1372, 25.4801



16.2626, 26.1372, 3.6011



17.7123, 26.1372, 102.7581

# Complementary

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



47.1771, 26.1372, 25.4801



45.7026, 75.7053, 54.8593

# 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.



12.7584, 26.1372, 66.8447



47.1771, 26.1372, 25.4801



12.0791, 26.1372, 11.2262

# Square

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



47.1771, 26.1372, 25.4801



23.7795, 26.1372, 1.8782



10.9764, 26.1372, 31.6614



25.9370, 26.1372, 115.6705



# Rectangle

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



47.1771, 26.1372, 25.4801



37.0115, 26.1372, 4.0077



10.9764, 26.1372, 31.6614



15.6846, 26.1372, 92.2079

# Sweetspot

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



47.1778, 26.1387, 25.4805



73.8569, 66.0171, 75.9293



37.6565, 19.6504, 96.4156



15.2198, 13.2034, 15.2844



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.



47.1778, 26.1387, 25.4805



44.3862, 22.9301, 17.2287



44.7979, 27.1122, 7.0118



18.3009, 18.1037, 20.2017



22.7899, 11.6052, 7.5439



2.2706, 1.1506, 1.0062



# Inverse Universe

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



47.1778, 26.1387, 25.4805



44.3862, 22.9301, 17.2287



49.6778, 67.7969, 105.0752



18.3009, 18.1037, 20.2017



22.7899, 11.6052, 7.5439



2.2706, 1.1506, 1.0062



# Previews

## White Background



This preview shows how the XYZ color 47.1771, 26.1372, 25.4801 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 47.1771, 26.1372, 25.4801 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 47.1771, 26.1372, 25.4801**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1771, 26.1372, 25.4801.



This preview shows how white text looks on a background with the XYZ color 47.1771, 26.1372,



# 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

47.1771, 26.1372, 25.4801

### Protanopia

26.6264, 26.4686, 47.4216

### Deuteranopia

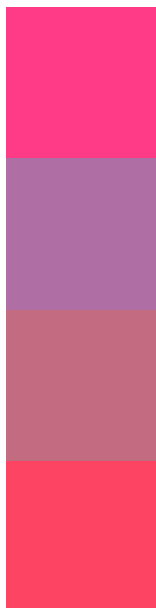
26.6637, 26.1795, 23.0499



## Tritanopia

43.9688, 26.1431, 9.9364

# Trichromacy



## Original Color

47.1771, 26.1372, 25.4801

## Protanomaly

29.9560, 22.9462, 37.9722

## Deuteranomaly

31.4683, 23.5697, 23.6597

## Tritanomaly

44.8883, 26.0397, 14.4647

# Monochromacy



## Original Color

47.1771, 26.1372, 25.4801

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

25.9474, 19.9720, 23.2563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1771, 26.1372, 25.4801 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1771, 26.1372, 25.4801 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, 135) }
```



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

```
.border{ border-color:rgb(255, 59, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 59, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 59, 135); box-shadow:4px 4px 4px 4px rgb(255, 59, 135) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1771, 26.1372, 25.4801 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, 135) }
```

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

```
.background{ background-color: rgb(255, 59,  
135) }
```

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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