

Converting Colors

XYZ(103.2993, 54.9431,
32.1904)

Have a look what the booklet for
XYZ(103.2993, 54.9431, 32.1904)
contains.

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Color

**XYZ(47.9923, 26.4633,
29.7726)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3B92
RGB	255, 59, 146
RGB Percent	100%, 23%, 57%
CMY	0.0000, 0.7686, 0.4274
CMYK	0.00, 0.77, 0.43, 0.00
HSL	333°, 100%, 62%
HSV	333°, 77%, 100%
XYZ	47.9923, 26.4633, 29.7726
YIQ	127.5220, 88.8890, 68.6090

Conversions

Conversions Part 2

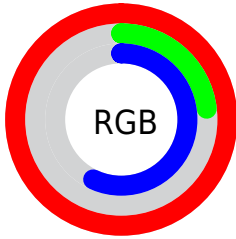
Format	Color
R _Y B	255, 59, 146
Decimal	16726930
CIE Lab	58.47, 77.14, -1.41
CIE LCh	58, 77.154, 358.954
Yxy	26.4633, 0.4605, 0.2539
Android (android.graphics.Color)	4294917010 (0xFFFF3B92)
YUV	127.5220, 9.1097, 111.7982
Hunter-Lab	51.4425, 76.5038, 1.6954

Details

The XYZ color **47.9923, 26.4633, 29.7726** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **44.6337, 75.2779, 49.2305**, and the grayscale version is **20.3029, 21.3602, 23.2613**.

A 20% lighter version of the original color is **58.8730, 39.8454, 59.2316**, and **23.8495, 12.0510, 12.1354** is the 20% darker color. If you saturate the color by 10%, you get **45.9506, 24.0375, 23.9825**, and if you desaturate by 10%, it is **50.8115, 30.2253, 36.4975**.

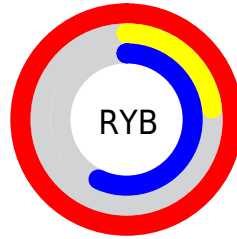
Distribution



Red (100%)

Green (23%)

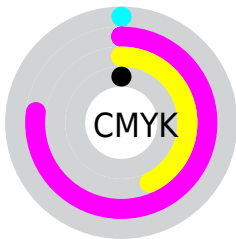
Blue (57%)



Red (100%)

Yellow (23%)

Blue (57%)

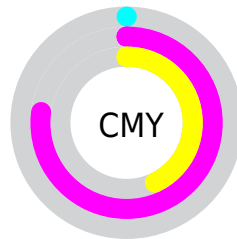


Cyan (0%)

Magenta (77%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9923, 26.4633, 29.7726 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 47.9923, 26.4633, 29.7726 by changing the saturation by 10% instead.


 47.9923, 26.4633,
29.7726


 47.9923, 26.4633,
29.7726

369.3447,
285.0490, 315.0173


 34.0320, 17.1706,
19.4155


 86.4027, 54.0214,
60.3591


 23.0812, 10.3562,
11.7910


 111.5835, 73.0556,
81.4256


 14.7745, 5.6357,
6.4807


 141.2353, 96.1057,
106.8989

 8.7466, 2.6249,
3.0661

 175.7232,
123.5561, 137.1976

 4.6320, 0.9392,
1.1285

 215.4128,
155.7913, 172.7403

 2.0655, 0.0000,
0.0000

260.6693,

 0.6704, 0.0000,

193.1956, 213.9454

0.0000

311.8582,
236.1533, 261.2316

■ 0.0000, 0.0000,
0.0000

■ 47.9923, 26.4633,
29.7726

■ 47.9923, 26.4633,
29.7726

■ 45.9506, 24.0375,
23.9825

■ 50.8115, 30.2253,
36.4975

■ 44.5754, 22.7333,
19.0650

■ 54.4931, 35.4853,
44.2083

■ 44.2306, 22.4562,
17.6788

■ 59.1121, 42.3865,
52.9525

■ 64.7347, 51.0539,
62.7732

■ 71.4204, 61.6003,
73.7109

79.2242, 74.1293,
85.8032

88.1970, 88.7364,
99.0862

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



44.1100, 26.4633, 64.7594



47.9923, 26.4633, 29.7726



44.5932, 26.4633, 10.2743

Triad

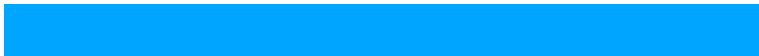
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.9923, 26.4633, 29.7726



17.3547, 26.4633, 3.0731



16.9108, 26.4633, 100.1542

Complementary

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



47.9923, 26.4633, 29.7726



44.6337, 75.2779, 49.2305

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.



12.3868, 26.4633, 61.9824



47.9923, 26.4633, 29.7726



12.5944, 26.4633, 9.4704

Square

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



47.9923, 26.4633, 29.7726



25.4851, 26.4633, 1.8335



11.0279, 26.4633, 27.8763



24.8230, 26.4633, 118.1930

Rectangle

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



47.9923, 26.4633, 29.7726



39.0404, 26.4633, 4.7116



11.0279, 26.4633, 27.8763



15.0240, 26.4633, 88.4201

Sweetspot

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



47.9930, 26.4648, 29.7730



74.2949, 66.1923, 78.2360



35.5103, 18.5439, 96.3153



15.3248, 13.2454, 15.8374



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.



47.9930, 26.4648, 29.7730



45.1686, 23.2431, 21.3488



44.1465, 25.8093, 6.7947



18.3444, 18.1211, 20.4306



23.1839, 11.7628, 9.6187



2.3113, 1.1669, 1.2206

Inverse Universe

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



47.9930, 26.4648, 29.7730



45.1686, 23.2431, 21.3488



52.5676, 73.5765, 106.0387



18.3444, 18.1211, 20.4306



23.1839, 11.7628, 9.6187



2.3113, 1.1669, 1.2206

Previews

White Background



This preview shows how the XYZ color 47.9923, 26.4633, 29.7726 looks on a white background.

Color Contrast Check

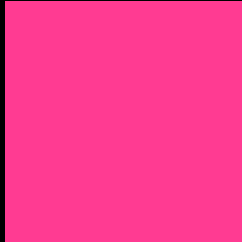
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9923, 26.4633, 29.7726 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 47.9923, 26.4633, 29.7726

Background



This preview shows how black text looks on a background with the XYZ color 47.9923, 26.4633, 29.7726.



This preview shows how white text looks on a background with the XYZ color 47.9923, 26.4633,

29.7726.

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

47.9923, 26.4633, 29.7726

Protanopia

27.3951, 26.6905, 55.3377

Deuteranopia

26.9584, 26.4538, 26.9778



Tritanopia

43.9227, 26.4111, 10.5674

Trichromacy



Original Color

47.9923, 26.4633, 29.7726



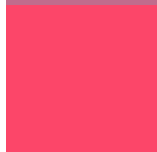
Protanomaly

30.5250, 23.0968, 44.4443



Deuteranomaly

31.8344, 23.8250, 27.7318



Tritanomaly

44.8848, 26.0957, 16.0359

Monochromacy



Original Color

47.9923, 26.4633, 29.7726



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

26.6790, 20.4484, 25.4625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9923, 26.4633, 29.7726 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 146) }
```

Border

The CSS property to change the border of an element to XYZ 47.9923, 26.4633, 29.7726 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, 146) }
```


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

```
.border{ border-color:rgb(255, 59, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9923, 26.4633, 29.7726 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, 146) }
```

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

```
.background{ background-color: rgb(255, 59,  
146) }
```

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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