

Converting Colors

XYZ(47.7118, 26.0237, 29.3047)

Have a look what the booklet for
XYZ(47.7118, 26.0237, 29.3047)
contains.

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Color

**XYZ(47.7170, 26.0367,
29.2987)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3791
RGB	255, 55, 145
RGB Percent	100%, 22%, 57%
CMY	0.0000, 0.7843, 0.4314
CMYK	0.00, 0.78, 0.43, 0.00
HSL	333°, 100%, 61%
HSV	333°, 78%, 100%
XYZ	47.7170, 26.0367, 29.2987
YIQ	125.0600, 90.3100, 70.3900

Conversions

Conversions Part 2

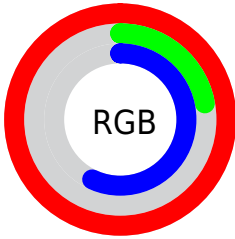
Format	Color
R _Y B	255, 55, 145
Decimal	16725905
CIE Lab	58.07, 78.11, -1.41
CIE LCh	58, 78.126, 358.966
Yxy	26.0367, 0.4630, 0.2527
Android (android.graphics.Color)	4294915985 (0xFFFF3791)
YUV	125.0600, 9.8304, 113.9574
Hunter-Lab	51.0262, 77.6280, 1.6746

Details

The XYZ color **47.7170, 26.0367, 29.2987** 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 **44.1292, 75.0497, 47.7647**, and the grayscale version is **19.4622, 20.4758, 22.2981**.

A 20% lighter version of the original color is **58.3862, 39.0583, 58.4945**, and **23.8038, 12.0327, 11.8944** is the 20% darker color. If you saturate the color by 10%, you get **45.7870, 23.8022, 23.6447**, and if you desaturate by 10%, it is **50.4068, 29.5772, 35.8652**.

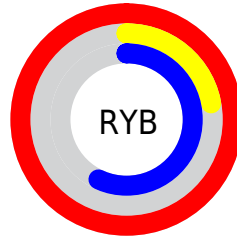
Distribution



Red (100%)

Green (22%)

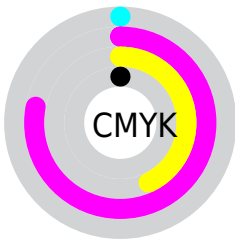
Blue (57%)



Red (100%)

Yellow (22%)

Blue (57%)

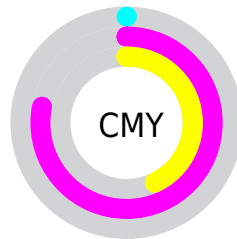


Cyan (0%)

Magenta (78%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (78%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7170, 26.0367, 29.2987 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 47.7170, 26.0367, 29.2987 by changing the saturation by 10% instead.


 47.7170, 26.0367,
29.2987


 47.7170, 26.0367,
29.2987

368.2706,
282.9622, 312.7266

 33.8131, 16.8511,
19.0594

 85.9951, 53.3341,
59.5992


 22.9123, 10.1284,
11.5359


 111.1001, 72.2148,
80.4974


 14.6491, 5.4842,
6.3099


 140.6696, 95.0959,
105.7857

 8.6582, 2.5340,
2.9626

 175.0688,
122.3618, 135.8825

 4.5742, 0.8936,
1.0756

 214.6631,
154.3971, 171.2065

 2.0318, 0.0000,
0.0000

259.8180,

 0.6518, 0.0000,

191.5859, 212.1762

0.0000

310.8987,
234.3128, 259.2100

■ 0.0000, 0.0000,
0.0000

■ 47.7170, 26.0367,
29.2987

■ 47.7170, 26.0367,
29.2987

■ 45.7870, 23.8022,
23.6447

■ 50.4068, 29.5772,
35.8652

■ 44.4913, 22.6303,
18.8369

■ 53.9435, 34.5904,
43.3953

■ 44.3194, 22.4918,
18.1466

■ 58.4037, 41.2227,
51.9364

■ 63.8545, 49.6012,
61.5313

■ 70.3562, 59.8405,
72.2202

■ 77.9643, 72.0452,
84.0404

■ 86.7303, 86.3123,
97.0274

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.



43.8053, 26.0367, 64.5208



47.7170, 26.0367, 29.2987



44.2867, 26.0367, 9.8805

Triad

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



47.7170, 26.0367, 29.2987



16.9506, 26.0367, 2.8464



16.5132, 26.0367, 100.3814

Complementary

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



47.7170, 26.0367, 29.2987



44.1292, 75.0497, 47.7647

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.



12.0129, 26.0367, 61.7482



47.7170, 26.0367, 29.2987



12.2165, 26.0367, 9.0969

Square

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



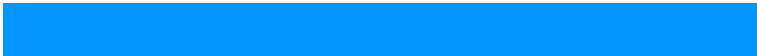
47.7170, 26.0367, 29.2987



25.0763, 26.0367, 1.6605



10.6649, 26.0367, 27.4211



24.4208, 26.0367, 118.6729

Rectangle

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



47.7170, 26.0367, 29.2987



38.6921, 26.0367, 4.4282



10.6649, 26.0367, 27.4211



14.6340, 26.0367, 88.4907

Sweetspot

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



47.7177, 26.0382, 29.2991



73.5835, 64.9931, 77.3093



34.9354, 17.9539, 96.2317



15.1901, 13.0167, 15.6666



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.



47.7177, 26.0382, 29.2991



45.0000, 23.0441, 20.8661



43.8210, 25.3183, 6.1937



18.3491, 18.1230, 20.4556



23.2307, 11.7816, 9.8653



2.3160, 1.1688, 1.2456

Inverse Universe

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



47.7177, 26.0382, 29.2991



45.0000, 23.0441, 20.8661



52.2789, 73.3378, 106.0077



18.3491, 18.1230, 20.4556



23.2307, 11.7816, 9.8653



2.3160, 1.1688, 1.2456

Previews

White Background



This preview shows how the XYZ color 47.7170, 26.0367, 29.2987 looks on a white background.

Color Contrast Check

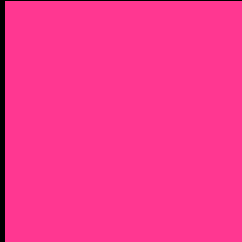
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.7170, 26.0367, 29.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

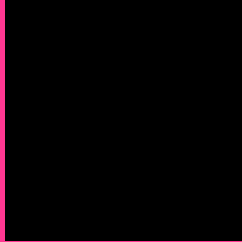
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.7170, 26.0367, 29.2987

Background



This preview shows how black text looks on a background with the XYZ color 47.7170, 26.0367, 29.2987.



This preview shows how white text looks on a background with the XYZ color 47.7170, 26.0367,

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

47.7170, 26.0367, 29.2987

Protanopia

26.9648, 26.2547, 55.2762

Deuteranopia

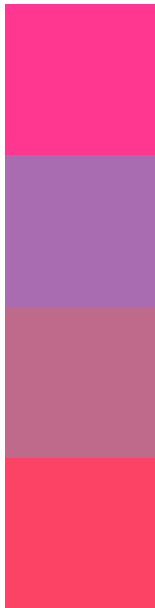
26.5547, 26.0458, 26.5494



Tritanopia

43.6076, 25.9568, 9.9195

Trichromacy



Original Color

47.7170, 26.0367, 29.2987

Protanomaly

29.8759, 22.4455, 44.3528

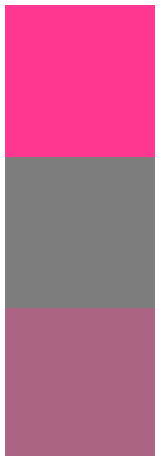
Deuteranomaly

31.3001, 23.2485, 27.2638

Tritanomaly

44.5503, 25.6691, 15.1769

Monochromacy



Original Color

47.7170, 26.0367, 29.2987

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

25.7353, 19.5509, 24.2471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7170, 26.0367, 29.2987 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, 55, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 145)  
}
```

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, 55, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 145) }
```

Border

The CSS property to change the border of an element to XYZ 47.7170, 26.0367, 29.2987 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, 55, 145) }
```


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

```
.border{ border-color:rgb(255, 55, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 55, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7170, 26.0367, 29.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 145) }
```

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

```
.background{ background-color: rgb(255, 55,  
145) }
```

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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