

Converting Colors

XYZ(47.6968, 28.0366, 23.0030)

Have a look what the booklet for
XYZ(47.6968, 28.0366, 23.0030)
contains.

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Color

**XYZ(47.7246, 28.1001,
22.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D7F
RGB	255, 77, 127
RGB Percent	100%, 30%, 50%
CMY	0.0000, 0.6980, 0.5020
CMYK	0.00, 0.70, 0.50, 0.00
HSL	343°, 100%, 65%
HSV	343°, 70%, 100%
XYZ	47.7246, 28.1001, 22.9872
YIQ	135.9220, 90.0380, 53.2860

Conversions

Conversions Part 2

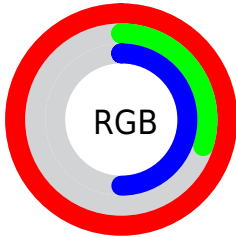
Format	Color
R_{YB}	255, 77, 127
Decimal	16731519
CIE _{Lab}	59.98, 69.91, 11.91
CIE _{LCh}	60, 70.920, 9.667
Yxy	28.1001, 0.4830, 0.2844
Android (android.graphics.Color)	4294921599 (0xFFFF4D7F)
YUV	135.9220, -4.3985, 104.4314
Hunter-Lab	53.0095, 67.9373, 11.3960

Details

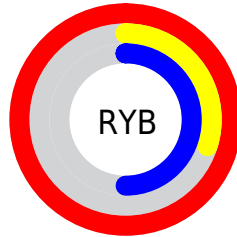
The XYZ color **47.7246, 28.1001, 22.9872** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **49.8421, 77.5062, 70.0979**, and the grayscale version is **23.3667, 24.5836, 26.7715**.

A 20% lighter version of the original color is **58.3223, 42.4060, 47.7591**, and **23.1134, 11.7565, 8.2588** is the 20% darker color. If you saturate the color by 10%, you get **45.1883, 24.7694, 16.7722**, and if you desaturate by 10%, it is **51.1787, 32.9184, 30.5817**.

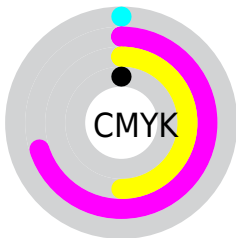
Distribution



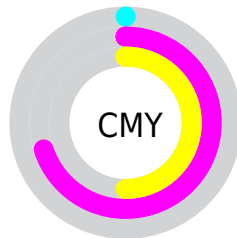
- Red (100%)
- Green (30%)
- Blue (50%)



- Red (100%)
- Yellow (30%)
- Blue (50%)



- Cyan (0%)
- Magenta (70%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7246, 28.1001, 22.9872 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 47.7246, 28.1001, 22.9872 by changing the saturation by 10% instead.


 47.7246, 28.1001,
22.9872


 47.7246, 28.1001,
22.9872


368.3003,
292.9449, 280.7790

 33.8192, 18.4011,
14.3788


 86.0064, 56.6442,
49.2952


 22.9170, 11.2384,
8.2429


 111.1135, 76.2582,
67.8320

 14.6526, 6.2274,
4.1608


 140.6852, 99.9459,
90.5153

 8.6606, 2.9838,
1.7139

 175.0869,
128.0918, 117.7637

 4.5758, 1.1233,
0.3703

214.6838,
161.0802, 149.9957

 2.0328, 0.0000,
0.0000

259.8415,

 0.6523, 0.0000,

199.2956, 187.6300

0.0000

310.9252,
243.1224, 231.0849

■ 0.0000, 0.0000,
0.0000

■ 47.7246, 28.1001,
22.9872

■ 47.7246, 28.1001,
22.9872

■ 45.1883, 24.7694,
16.7722

■ 51.1787, 32.9184,
30.5817

■ 43.4687, 22.7429,
11.8442

■ 55.6322, 39.3701,
39.6363


■ 42.4146, 21.7387,
8.0890

■ 61.1601, 47.5884,
50.2262

■ 42.3970, 21.7228,
8.0240

■ 67.8290, 57.6916,
62.4210

■ 75.7001, 69.7877,
76.2857

 84.8303, 83.9763,
91.8816

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.



46.5059, 28.1001, 51.3150



47.7246, 28.1001, 22.9872



42.4149, 28.1001, 8.5751

Triad

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



47.7246, 28.1001, 22.9872



17.0930, 28.1001, 6.0710



21.1215, 28.1001, 104.8502

Complementary

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



47.7246, 28.1001, 22.9872



49.8421, 77.5062, 70.0979

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.



15.4546, 28.1001, 74.5412



47.7246, 28.1001, 22.9872



13.5183, 28.1001, 16.3738

Square

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



47.7246, 28.1001, 22.9872



23.8993, 28.1001, 3.1022



12.9951, 28.1001, 39.7225



29.7293, 28.1001, 110.3788

Rectangle

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



47.7246, 28.1001, 22.9872



36.4644, 28.1001, 4.6258



12.9951, 28.1001, 39.7225



18.8689, 28.1001, 96.6495

Sweetspot

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



47.7253, 28.1017, 22.9877



74.6898, 68.2266, 74.5307



45.7629, 25.4475, 97.1071



15.5039, 13.8592, 15.1089



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.



47.7253, 28.1017, 22.9877



44.3730, 23.7709, 14.5509



48.7764, 34.1892, 11.0518



18.2190, 18.0709, 19.7706



22.2079, 11.3725, 4.4794



2.2065, 1.1250, 0.6690

Inverse Universe

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



47.7253, 28.1017, 22.9877



44.3730, 23.7709, 14.5509



45.7791, 58.1335, 103.4153



18.2190, 18.0709, 19.7706



22.2079, 11.3725, 4.4794



2.2065, 1.1250, 0.6690

Previews

White Background



This preview shows how the XYZ color 47.7246, 28.1001, 22.9872 looks on a white background.

Color Contrast Check

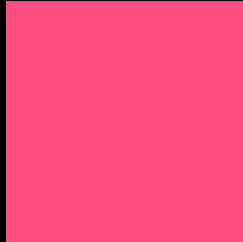
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.7246, 28.1001, 22.9872 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 47.7246, 28.1001, 22.9872

Background



This preview shows how black text looks on a background with the XYZ color 47.7246, 28.1001, 22.9872.



This preview shows how white text looks on a background with the XYZ color 47.7246, 28.1001,

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

47.7246, 28.1001, 22.9872

Protanopia

27.7394, 28.3416, 38.6588

Deuteranopia

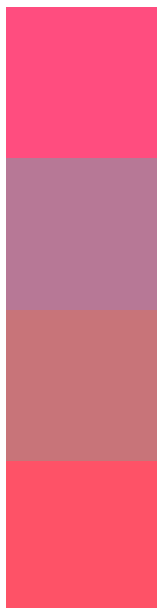
28.6511, 28.0981, 21.0529



Tritanopia

45.6020, 28.1178, 12.6967

Trichromacy



Original Color

47.7246, 28.1001, 22.9872

Protanomaly

31.7499, 25.7022, 32.1418

Deuteranomaly

33.5160, 26.1506, 21.3702

Tritanomaly

46.3385, 28.0847, 15.8105

Monochromacy



Original Color

47.7246, 28.1001, 22.9872

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

28.9548, 23.5386, 25.2076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7246, 28.1001, 22.9872 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, 77, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 127)  
}
```

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, 77, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 127) }
```

Border

The CSS property to change the border of an element to XYZ 47.7246, 28.1001, 22.9872 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, 77, 127) }
```


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

```
.border{ border-color:rgb(255, 77, 127) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7246, 28.1001, 22.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 127) }
```

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

```
.background{ background-color: rgb(255, 77,  
127) }
```

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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