

Converting Colors

XYZ(47.6739, 25.7277, 29.9712)

Have a look what the booklet for
XYZ(47.6739, 25.7277, 29.9712)
contains.

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Color

**XYZ(47.6903, 25.7342,
30.0574)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3393
RGB	255, 51, 147
RGB Percent	100%, 20%, 58%
CMY	0.0000, 0.7999, 0.4235
CMYK	0.00, 0.80, 0.42, 0.00
HSL	332°, 100%, 60%
HSV	332°, 80%, 100%
XYZ	47.6903, 25.7342, 30.0574
YIQ	122.9400, 90.7680, 73.1040

Conversions

Conversions Part 2

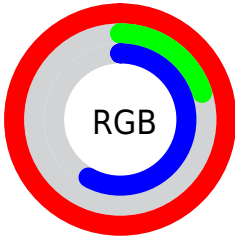
Format	Color
R _Y B	255, 51, 147
Decimal	16724883
CIE Lab	57.78, 79.28, -3.01
CIE LCh	58, 79.337, 357.825
Yxy	25.7342, 0.4609, 0.2487
Android (android.graphics.Color)	4294914963 (0xFFFF3393)
YUV	122.9400, 11.8616, 115.8166
Hunter-Lab	50.7289, 79.0326, 0.3803

Details

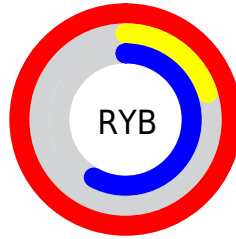
The XYZ color **47.6903, 25.7342, 30.0574** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.3854, 74.7279, 44.9454**, and the grayscale version is **18.7506, 19.7271, 21.4828**.

A 20% lighter version of the original color is **58.3794, 38.6707, 59.6456**, and **23.8959, 12.0695, 12.3795** is the 20% darker color. If you saturate the color by 10%, you get **45.8670, 23.6848, 24.5258**, and if you desaturate by 10%, it is **50.2493, 29.0559, 36.4481**.

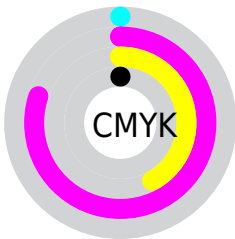
Distribution



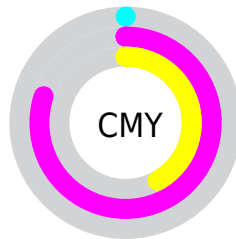
- Red (100%)
- Green (20%)
- Blue (58%)



- Red (100%)
- Yellow (20%)
- Blue (58%)



- Cyan (0%)
- Magenta (80%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6903, 25.7342, 30.0574 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 47.6903, 25.7342, 30.0574 by changing the saturation by 10% instead.

 47.6903, 25.7342,
30.0574


 47.6903, 25.7342,
30.0574


368.1663,
281.4748, 316.3875


 33.7919, 16.6249,
19.6297


 85.9556, 52.8458,
60.8150


 22.8959, 9.9674,
11.9448

 111.0532, 71.6170,
81.9821

 14.6370, 5.3774,
6.5840


 140.6147, 94.3775,
107.5660

 8.6496, 2.4703,
3.1289

 175.0053,
121.5118, 137.9853

 4.5686, 0.8617,
1.1608

 214.5904,
153.4043, 173.6586

 2.0286, 0.0000,
0.0000

259.7353,

 0.6499, 0.0000,

190.4394, 215.0044

0.0000

310.8055,
233.0014, 262.4412

■ 0.0000, 0.0000,
0.0000

■ 47.6903, 25.7342,
30.0574

■ 47.6903, 25.7342,
30.0574

■ 45.8670, 23.6848,
24.5258

■ 50.2493, 29.0559,
36.4481

■ 44.6302, 22.6164,
19.7819

■ 53.6332, 33.8220,
43.7472

■ 44.6295, 22.6158,
19.7791

■ 57.9198, 40.1819,
52.0000

■ 63.1770, 48.2650,
61.2474

■ 69.4656, 58.1875,
71.5274

76.8412, 70.0552,
82.8756

85.3555, 83.9660,
95.3255

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.



43.4553, 25.7342, 66.2342



47.6903, 25.7342, 30.0574



44.4824, 25.7342, 9.9821

Triad

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



47.6903, 25.7342, 30.0574



16.8716, 25.7342, 2.5271



15.9495, 25.7342, 99.9388

Complementary

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



47.6903, 25.7342, 30.0574



43.3854, 74.7279, 44.9454

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.



11.5798, 25.7342, 60.3050



47.6903, 25.7342, 30.0574



12.0069, 25.7342, 8.3484

Square

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



47.6903, 25.7342, 30.0574



25.1610, 25.7342, 1.4990



10.3486, 25.7342, 26.0771



23.7714, 25.7342, 119.8367

Rectangle

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



47.6903, 25.7342, 30.0574



38.9230, 25.7342, 4.3588



10.3486, 25.7342, 26.0771



14.1130, 25.7342, 87.5950

Sweetspot

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



47.6910, 25.7357, 30.0578



73.7524, 65.0606, 78.1987



33.0239, 16.6977, 96.0901



15.2304, 13.0328, 15.8789



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.



47.6910, 25.7357, 30.0578



45.0774, 22.9721, 21.5912



43.1765, 24.1764, 5.5247



18.3652, 18.1294, 20.5401



23.3939, 11.8469, 10.7248



2.3324, 1.1754, 1.3321

Inverse Universe

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



47.6910, 25.7357, 30.0578



45.0774, 22.9721, 21.5912



54.1010, 77.2942, 106.6755



18.3652, 18.1294, 20.5401



23.3939, 11.8469, 10.7248



2.3324, 1.1754, 1.3321

Previews

White Background



This preview shows how the XYZ color 47.6903, 25.7342, 30.0574 looks on a white background.

Color Contrast Check

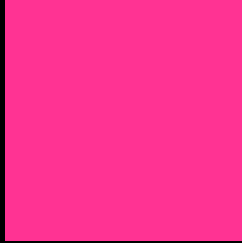
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6903, 25.7342, 30.0574 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 47.6903, 25.7342, 30.0574

Background



This preview shows how black text looks on a background with the XYZ color 47.6903, 25.7342, 30.0574.



This preview shows how white text looks on a background with the XYZ color 47.6903, 25.7342,

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

47.6903, 25.7342, 30.0574

Protanopia

26.9787, 25.9834, 58.2369

Deuteranopia

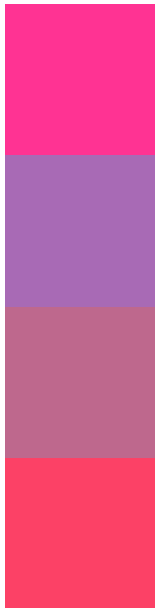
26.3162, 25.9064, 27.2803



Tritanopia

43.4707, 25.7961, 9.5255

Trichromacy



Original Color

47.6903, 25.7342, 30.0574

Protanomaly

29.6430, 21.9691, 46.3942

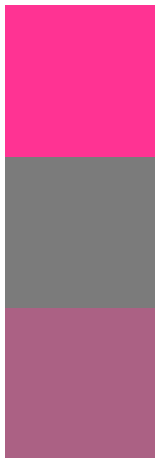
Deuteranomaly

30.9932, 22.7709, 27.9610

Tritanomaly

44.4335, 25.4353, 15.1380

Monochromacy



Original Color

47.6903, 25.7342, 30.0574

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

25.2341, 18.8733, 24.1427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6903, 25.7342, 30.0574 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, 51, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 147)  
}
```

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, 51, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 147) }
```

Border

The CSS property to change the border of an element to XYZ 47.6903, 25.7342, 30.0574 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, 51, 147) }
```


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

```
.border{ border-color:rgb(255, 51, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6903, 25.7342, 30.0574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 147) }
```

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

```
.background{ background-color: rgb(255, 51,  
147) }
```

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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