

Converting Colors

XYZ(47.3933, 25.0012, 30.3868)

Have a look what the booklet for
XYZ(47.3933, 25.0012, 30.3868)
contains.

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Color

**XYZ(47.3782, 24.9840,
30.3423)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2994
RGB	255, 41, 148
RGB Percent	100%, 16%, 58%
CMY	0.0000, 0.8391, 0.4196
CMYK	0.00, 0.84, 0.42, 0.00
HSL	330°, 100%, 58%
HSV	330°, 84%, 100%
XYZ	47.3782, 24.9840, 30.3423
YIQ	117.1840, 93.1970, 78.6450

Conversions

Conversions Part 2

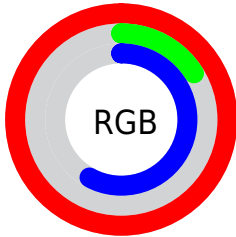
Format	Color
R_{YB}	255, 41, 148
Decimal	16722324
CIE _{Lab}	57.06, 81.53, -4.67
CIE _{LCh}	57, 81.666, 356.722
Yxy	24.9840, 0.4613, 0.2433
Android (android.graphics.Color)	4294912404 (0xFFFF2994)
YUV	117.1840, 15.1923, 120.8646
Hunter-Lab	49.9840, 81.7223, -1.0026

Details

The XYZ color **47.3782, 24.9840, 30.3423** 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 **42.0221, 74.1304, 40.1193**, and the grayscale version is **16.9029, 17.7832, 19.3659**.

A 20% lighter version of the original color is **57.8058, 37.3345, 60.0367**, and **23.9428, 12.0883, 12.6266** is the 20% darker color. If you saturate the color by 10%, you get **45.8089, 23.3728, 25.1108**, and if you desaturate by 10%, it is **49.6298, 27.7820, 36.3502**.

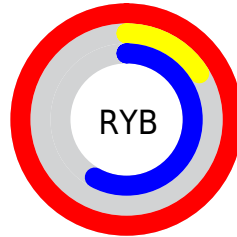
Distribution



Red (100%)

Green (16%)

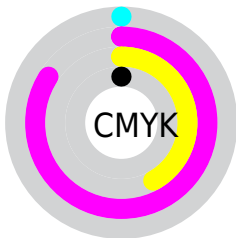
Blue (58%)



Red (100%)

Yellow (16%)

Blue (58%)

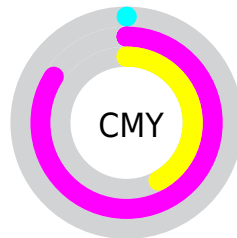


Cyan (0%)

Magenta (84%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (84%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3782, 24.9840, 30.3423 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 47.3782, 24.9840, 30.3423 by changing the saturation by 10% instead.

 47.3782, 24.9840,
30.3423


 47.3782, 24.9840,
30.3423

366.9459,
277.7583, 317.7536


 33.5439, 16.0651,
19.8443


 85.4932, 51.6313,
61.2705


 22.7047, 9.5703,
12.0990

 110.5046, 70.1285,
82.5377


 14.4951, 5.1150,
6.6878


 139.9725, 92.5872,
108.2318

 8.5498, 2.3149,
3.1921

 174.2622,
119.3919, 138.7713

 4.5035, 0.7816,
1.1936

 213.7390,
150.9270, 174.5746

 1.9907, 0.0000,
0.0000

258.7683,

 0.6287, 0.0000,

187.5768, 216.0604

0.0000

309.7155,
229.7258, 263.6472

■ 0.0000, 0.0000,
0.0000

■ 47.3782, 24.9840,
30.3423

■ 47.3782, 24.9840,
30.3423

■ 45.8089, 23.3728,
25.1108

■ 49.6298, 27.7820,
36.3502

■ 45.1025, 22.8050,
22.2704

■ 52.6605, 31.9546,
43.1831

■ 56.5520, 37.6603,
50.8846

■ 61.3749, 45.0350,
59.4938

■ 67.1919, 54.1992,
69.0465

74.0599, 65.2623,
79.5760

82.0315, 78.3249,
91.1138

91.1556, 93.4803,
103.6897

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.



42.7820, 24.9840, 67.7871



47.3782, 24.9840, 30.3423



44.3653, 24.9840, 9.6738

Triad

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



47.3782, 24.9840, 30.3423



16.3703, 24.9840, 2.0287



14.9836, 24.9840, 99.7430

Complementary

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



47.3782, 24.9840, 30.3423



42.0221, 74.1304, 40.1193

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.



10.7723, 24.9840, 58.6045



47.3782, 24.9840, 30.3423



11.4081, 24.9840, 7.2747

Square

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



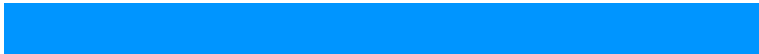
47.3782, 24.9840, 30.3423



24.8187, 24.9840, 1.1939



9.6655, 24.9840, 24.2887



22.7057, 24.9840, 121.5932

Rectangle

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



47.3782, 24.9840, 30.3423



38.7965, 24.9840, 4.0042



9.6655, 24.9840, 24.2887



13.1997, 24.9840, 86.7654

Sweetspot

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



47.3789, 24.9854, 30.3427



73.2611, 63.9650, 78.3835



31.0583, 15.1042, 95.8859



15.1470, 12.8276, 15.9694



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.



47.3789, 24.9854, 30.3427



45.1027, 22.8051, 22.2705



42.4342, 23.0075, 4.3041



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0336



2.3571, 1.1852, 1.4619

Inverse Universe

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



47.3789, 24.9854, 30.3427



45.1027, 22.8051, 22.2705



54.7252, 79.2116, 107.0125



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0336



2.3571, 1.1852, 1.4619

Previews

White Background



This preview shows how the XYZ color 47.3782, 24.9840, 30.3423 looks on a white background.

Color Contrast Check

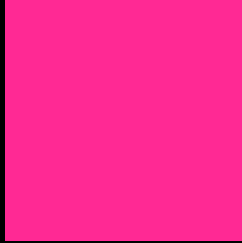
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.3782, 24.9840, 30.3423 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 47.3782, 24.9840, 30.3423

Background



This preview shows how black text looks on a background with the XYZ color 47.3782, 24.9840, 30.3423.



This preview shows how white text looks on a background with the XYZ color 47.3782, 24.9840,

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

47.3782, 24.9840, 30.3423

Protanopia

26.6228, 25.3131, 61.2404

Deuteranopia

25.5527, 25.0941, 27.5416



Tritanopia

42.6288, 24.9132, 8.5232

Trichromacy



Original Color

47.3782, 24.9840, 30.3423



Protanomaly

28.8225, 20.7674, 47.8368



Deuteranomaly

30.1787, 21.7587, 28.2004



Tritanomaly

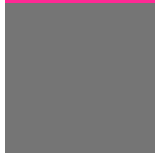
43.9101, 24.6224, 14.2427

Monochromacy



Original Color

47.3782, 24.9840, 30.3423



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

23.4050, 16.9188, 22.4541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3782, 24.9840, 30.3423 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, 41, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 148)  
}
```

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, 41, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 148) }
```

Border

The CSS property to change the border of an element to XYZ 47.3782, 24.9840, 30.3423 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, 41, 148) }
```


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

```
.border{ border-color:rgb(255, 41, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 41, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3782, 24.9840, 30.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 148) }
```

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

```
.background{ background-color: rgb(255, 41,  
148) }
```

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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