

Converting Colors

XYZ(48.4234, 26.0321, 33.9044)

Have a look what the booklet for
XYZ(48.4234, 26.0321, 33.9044)
contains.

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Color

**XYZ(48.4246, 26.0280,
33.9241)**

Conversions

Conversions Part 1

Format	Color
Hex	FF339C
RGB	255, 51, 156
RGB Percent	100%, 20%, 61%
CMY	0.0000, 0.7999, 0.3882
CMYK	0.00, 0.80, 0.39, 0.00
HSL	329°, 100%, 60%
HSV	329°, 80%, 100%
XYZ	48.4246, 26.0280, 33.9241
YIQ	123.9660, 87.8790, 75.9030

Conversions

Conversions Part 2

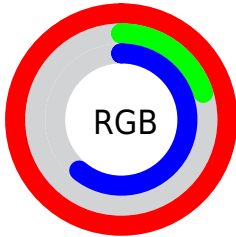
Format	Color
R _Y B	255, 51, 156
Decimal	16724892
CIE Lab	58.06, 80.10, -7.89
CIE LCh	58, 80.491, 354.375
Yxy	26.0280, 0.4468, 0.2402
Android (android.graphics.Color)	4294914972 (0xFFFF339C)
YUV	123.9660, 15.7928, 114.9168
Hunter-Lab	51.0176, 80.1466, -3.7124

Details

The XYZ color **48.4246, 26.0280, 33.9241** 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 **42.6325, 74.4268, 40.9801**, and the grayscale version is **19.0781, 20.0717, 21.8581**.

A 20% lighter version of the original color is **59.4697, 39.1068, 65.3867**, and **24.5421, 12.3574, 14.4563** is the 20% darker color. If you saturate the color by 10%, you get **46.6041, 23.9797, 28.4075**, and if you desaturate by 10%, it is **50.9632, 29.3416, 40.2073**.

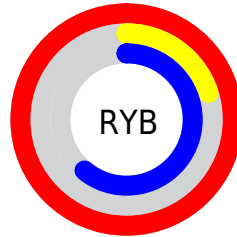
Distribution



Red (100%)

Green (20%)

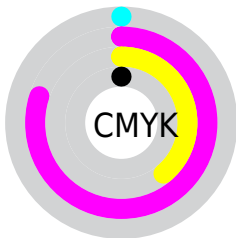
Blue (61%)



Red (100%)

Yellow (20%)

Blue (61%)

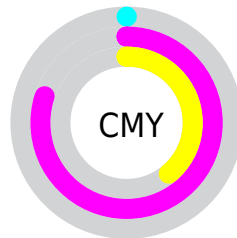


Cyan (0%)

Magenta (80%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4246, 26.0280, 33.9241 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 48.4246, 26.0280, 33.9241 by changing the saturation by 10% instead.


 48.4246, 26.0280,
33.9241


 48.4246, 26.0280,
33.9241


371.0273,
282.9195, 334.5523


 34.3759, 16.8446,
22.5584


 87.0421, 53.3201,
66.9482

 23.3468, 10.1237,
14.0656


 112.3417, 72.1976,
89.4436


 14.9719, 5.4811,
8.0270


 142.1222, 95.0752,
116.4861

 8.8858, 2.5322,
4.0242

 176.7491,
122.3374, 148.4941

 4.7233, 0.8927,
1.6386

 216.5877,
154.3686, 185.8862

 2.1189, 0.0000,
0.3182

262.0034,

 0.6995, 0.0000,

191.5530, 229.0809

0.0000

313.3615,
234.2752, 278.4967

■ 0.0000, 0.0000,
0.0000

■ 48.4246, 26.0280,
33.9241

■ 48.4246, 26.0280,
33.9241

■ 46.6041, 23.9797,
28.4075

■ 50.9632, 29.3416,
40.2073

■ 45.3538, 22.9058,
23.5919

■ 54.3081, 34.0921,
47.3010

■ 45.3530, 22.9052,
23.5889

■ 58.5363, 40.4287,
55.2455

■ 63.7145, 48.4803,
64.0768

■ 69.9027, 58.3627,
73.8284

■ 77.1559, 70.1815,
84.5316

■ 85.5248, 84.0341,
96.2157

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.



43.2794, 26.0280, 72.4191



48.4246, 26.0280, 33.9241



45.9973, 26.0280, 11.4775

Triad

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



48.4246, 26.0280, 33.9241



17.7918, 26.0280, 2.1887



15.3617, 26.0280, 98.0322

Complementary

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



48.4246, 26.0280, 33.9241



42.6325, 74.4268, 40.9801

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.



11.3091, 26.0280, 56.7100



48.4246, 26.0280, 33.9241



12.4329, 26.0280, 7.1828

Square

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



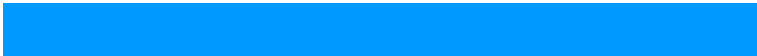
48.4246, 26.0280, 33.9241



26.6187, 26.0280, 1.4672



10.3984, 26.0280, 23.4051



22.9497, 26.0280, 122.1238

Rectangle

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



48.4246, 26.0280, 33.9241



40.6693, 26.0280, 4.9551



10.3984, 26.0280, 23.4051



13.6293, 26.0280, 84.7682

Sweetspot

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



48.4253, 26.0295, 33.9245



74.1186, 65.2071, 80.1270



31.7404, 16.0361, 96.0301



15.3179, 13.0678, 16.3401



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.



48.4253, 26.0295, 33.9245



45.8082, 23.2644, 25.4397



43.1003, 23.8994, 5.8830



18.3997, 18.1432, 20.7219



23.7738, 11.9988, 12.7250



2.3700, 1.1904, 1.5298

Inverse Universe

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



48.4253, 26.0295, 33.9245



45.8082, 23.2644, 25.4397



54.6335, 79.2272, 104.1766



18.3997, 18.1432, 20.7219



23.7738, 11.9988, 12.7250



2.3700, 1.1904, 1.5298

Previews

White Background



This preview shows how the XYZ color 48.4246, 26.0280, 33.9241 looks on a white background.

Color Contrast Check

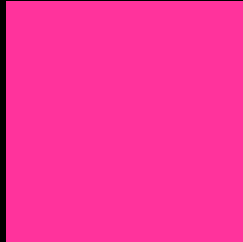
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.4246, 26.0280, 33.9241 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 48.4246, 26.0280, 33.9241

Background



This preview shows how black text looks on a background with the XYZ color 48.4246, 26.0280, 33.9241.



This preview shows how white text looks on a background with the XYZ color 48.4246, 26.0280,

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

48.4246, 26.0280, 33.9241

Protanopia

27.7688, 26.2222, 65.8852

Deuteranopia

26.7550, 26.2630, 30.8532



Tritanopia

43.3517, 25.9207, 10.1154

Trichromacy



Original Color

48.4246, 26.0280, 33.9241



Protanomaly

30.1855, 22.1132, 52.5465



Deuteranomaly

31.5429, 23.1240, 31.6550



Tritanomaly

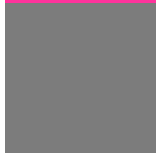
44.7469, 25.6534, 16.5031

Monochromacy



Original Color

48.4246, 26.0280, 33.9241



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.7319, 19.0976, 25.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4246, 26.0280, 33.9241 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 156) }
```

Border

The CSS property to change the border of an element to XYZ 48.4246, 26.0280, 33.9241 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, 156) }
```


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

```
.border{ border-color:rgb(255, 51, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4246, 26.0280, 33.9241 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, 156) }
```

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

```
.background{ background-color: rgb(255, 51,  
156) }
```

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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