

Converting Colors

XYZ(48.3747, 26.0080, 33.6614)

Have a look what the booklet for
XYZ(48.3747, 26.0080, 33.6614)
contains.

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Color

**XYZ(48.3402, 25.9942,
33.4799)**

Conversions

Conversions Part 1

Format	Color
Hex	FF339B
RGB	255, 51, 155
RGB Percent	100%, 20%, 61%
CMY	0.0000, 0.7999, 0.3922
CMYK	0.00, 0.80, 0.39, 0.00
HSL	329°, 100%, 60%
HSV	329°, 80%, 100%
XYZ	48.3402, 25.9942, 33.4799
YIQ	123.8520, 88.2000, 75.5920

Conversions

Conversions Part 2

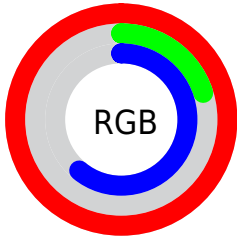
Format	Color
R _Y B	255, 51, 155
Decimal	16724891
CIE Lab	58.03, 80.01, -7.35
CIE LCh	58, 80.346, 354.751
Yxy	25.9942, 0.4484, 0.2411
Android (android.graphics.Color)	4294914971 (0xFFFF339B)
YUV	123.8520, 15.3560, 115.0168
Hunter-Lab	50.9845, 80.0192, -3.2447

Details

The XYZ color **48.3402, 25.9942, 33.4799** 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 **42.7133, 74.4591, 41.4059**, and the grayscale version is **19.0415, 20.0331, 21.8161**.

A 20% lighter version of the original color is **59.3454, 39.0571, 64.7325**, and **24.4910, 12.3369, 14.1871** is the 20% darker color. If you saturate the color by 10%, you get **46.5188, 23.9456, 27.9584**, and if you desaturate by 10%, it is **50.8816, 29.3089, 39.7781**.

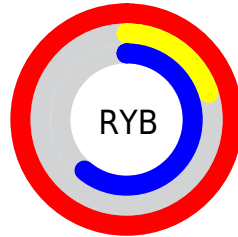
Distribution



Red (100%)

Green (20%)

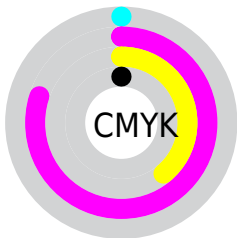
Blue (61%)



Red (100%)

Yellow (20%)

Blue (61%)

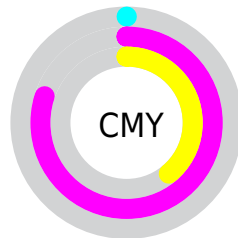


Cyan (0%)

Magenta (80%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3402, 25.9942, 33.4799 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 48.3402, 25.9942, 33.4799 by changing the saturation by 10% instead.


 48.3402, 25.9942,
33.4799


 48.3402, 25.9942,
33.4799


370.6992,
282.7536, 332.5048


 34.3087, 16.8193,
22.2202

 86.9173, 53.2656,
66.2487

 23.2949, 10.1057,
13.8189


 112.1937, 72.1309,
88.5948


 14.9333, 5.4691,
7.8575


 141.9492, 94.9951,
115.4736

 8.8586, 2.5251,
3.9175

 176.5490,
122.2426, 147.3034

 4.7054, 0.8891,
1.5802

 216.3586,
154.2578, 184.5029

 2.1085, 0.0000,
0.2766

261.7432,

 0.6938, 0.0000,

191.4251, 227.4906

0.0000

313.0683,
234.1289, 276.6851

■ 0.0000, 0.0000,
0.0000

■ 48.3402, 25.9942,
33.4799

■ 48.3402, 25.9942,
33.4799

■ 46.5188, 23.9456,
27.9584

■ 50.8816, 29.3089,
39.7781

■ 45.2693, 22.8720,
23.1473

■ 54.2314, 34.0614,
46.8974

■ 45.2686, 22.8714,
23.1444

■ 58.4665, 40.4006,
54.8786

■ 63.6539, 48.4559,
63.7583

■ 69.8536, 58.3428,
73.5703

■ 77.1206, 70.1671,
84.3464

■ 85.5057, 84.0262,
96.1163

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.



43.2962, 25.9942, 71.7131



48.3402, 25.9942, 33.4799



45.8256, 25.9942, 11.3051

Triad

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



48.3402, 25.9942, 33.4799



17.6879, 25.9942, 2.2246



15.4253, 25.9942, 98.2347

Complementary

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



48.3402, 25.9942, 33.4799



42.7133, 74.4591, 41.4059

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.



11.3385, 25.9942, 57.0963



48.3402, 25.9942, 33.4799



12.3849, 25.9942, 7.3058

Square

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



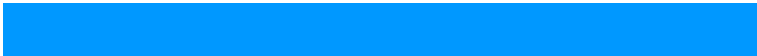
48.3402, 25.9942, 33.4799



26.4537, 25.9942, 1.4708



10.3926, 25.9942, 23.6898



23.0384, 25.9942, 121.8610

Rectangle

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



48.3402, 25.9942, 33.4799



40.4716, 25.9942, 4.8867



10.3926, 25.9942, 23.6898



13.6817, 25.9942, 85.0716

Sweetspot

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



48.3409, 25.9957, 33.4803



74.0776, 65.1907, 79.9113



31.7403, 16.0361, 96.0300



15.3081, 13.0639, 16.2884



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.



48.3409, 25.9957, 33.4803



45.7232, 23.2304, 24.9923



43.1002, 23.8994, 5.8829



18.3958, 18.1416, 20.7016



23.7295, 11.9811, 12.4920



2.3657, 1.1886, 1.5070

Inverse Universe

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



48.3409, 25.9957, 33.4803



45.7232, 23.2304, 24.9923



54.6334, 79.2271, 104.1765



18.3958, 18.1416, 20.7016



23.7295, 11.9811, 12.4920



2.3657, 1.1886, 1.5070

Previews

White Background



This preview shows how the XYZ color 48.3402, 25.9942, 33.4799 looks on a white background.

Color Contrast Check

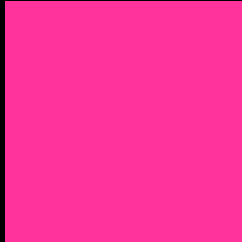
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.3402, 25.9942, 33.4799 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 48.3402, 25.9942, 33.4799

Background



This preview shows how black text looks on a background with the XYZ color 48.3402, 25.9942, 33.4799.



This preview shows how white text looks on a background with the XYZ color 48.3402, 25.9942,

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

48.3402, 25.9942, 33.4799

Protanopia

27.6487, 26.1893, 64.5706

Deuteranopia

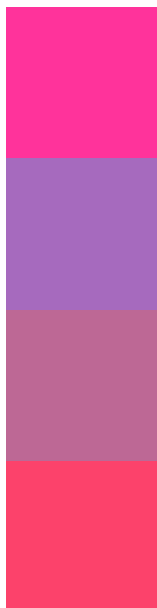
26.5373, 25.9516, 30.3986



Tritanopia

43.3517, 25.9207, 10.1154

Trichromacy



Original Color

48.3402, 25.9942, 33.4799

Protanomaly

30.1742, 22.1328, 51.3969

Deuteranomaly

31.3614, 22.8894, 31.1989

Tritanomaly

44.7469, 25.6534, 16.5031

Monochromacy



Original Color

48.3402, 25.9942, 33.4799

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

25.6611, 19.0693, 25.2499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3402, 25.9942, 33.4799 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 155) }
```

Border

The CSS property to change the border of an element to XYZ 48.3402, 25.9942, 33.4799 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, 155) }
```


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

```
.border{ border-color:rgb(255, 51, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3402, 25.9942, 33.4799 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, 155) }
```

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

```
.background{ background-color: rgb(255, 51,  
155) }
```

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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