

Converting Colors

XYZ(46.2249, 25.4097, 34.9825)

Have a look what the booklet for
XYZ(46.2249, 25.4097, 34.9825)
contains.

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Color

**XYZ(46.0933, 25.3707,
34.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	F73B9E
RGB	247, 59, 158
RGB Percent	97%, 23%, 62%
CMY	0.0314, 0.7686, 0.3804
CMYK	0.00, 0.76, 0.36, 0.03
HSL	328°, 92%, 60%
HSV	328°, 76%, 97%
XYZ	46.0933, 25.3707, 34.8154
YIQ	126.4980, 80.2690, 70.6450

Conversions

Conversions Part 2

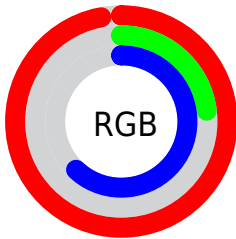
Format	Color
R _Y B	247, 59, 158
Decimal	16202654
CIE Lab	57.43, 76.30, -10.15
CIE LCh	57, 76.971, 352.422
Yxy	25.3707, 0.4337, 0.2387
Android (android.graphics.Color)	4294392734 (0xFFFF73B9E)
YUV	126.4980, 15.5305, 105.6803
Hunter-Lab	50.3693, 75.2001, -5.7228

Details

The XYZ color **46.0933, 25.3707, 34.8154** 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 **40.4115, 69.5903, 39.3247**, and the grayscale version is **19.9323, 20.9704, 22.8367**.

A 20% lighter version of the original color is **60.3332, 40.2300, 67.5360**, and **22.6614, 11.3758, 14.9113** is the 20% darker color. If you saturate the color by 10%, you get **44.1510, 23.0211, 29.4358**, and if you desaturate by 10%, it is **48.7327, 28.9611, 40.9003**.

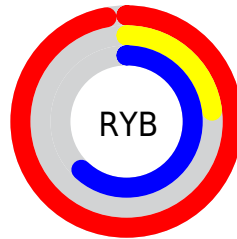
Distribution



Red (97%)

Green (23%)

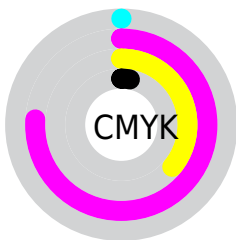
Blue (62%)



Red (97%)

Yellow (23%)

Blue (62%)

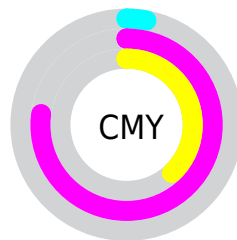


Cyan (0%)

Magenta (76%)

Yellow (36%)

Black (3%)



Cyan (3%)


Magenta (77%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0933, 25.3707, 34.8154 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 46.0933, 25.3707, 34.8154 by changing the saturation by 10% instead.

 46.0933, 25.3707,
34.8154


 46.0933, 25.3707,
34.8154


361.8933,
279.6791, 338.6322


 32.5244, 16.3535,
23.2383


 83.5856, 52.2580,
68.3480


 21.9198, 9.7746,
14.5626


 108.2397, 70.8968,
91.1406


 13.9143, 5.2498,
8.3698


 137.3196, 93.5116,
118.5088

 8.1424, 2.3945,
4.2413

 171.1907,
120.4867, 150.8711

 4.2388, 0.8231,
1.7586

 210.2182,
152.2067, 188.6460

 1.8381, 0.0000,
0.4005

254.7676,

 0.5405, 0.0000,

189.0558, 232.2522

0.0000

305.2041,
231.4184, 282.1081

■ 0.0000, 0.0000,
0.0000

■ 46.0933, 25.3707,
34.8154

■ 46.0933, 25.3707,
34.8154

■ 44.1510, 23.0211,
29.4358

■ 48.7327, 28.9611,
40.9003

■ 42.8081, 21.7212,
24.7153


■ 52.1444, 33.9388,
47.7277


■ 42.3912, 21.3875,
23.0347


■ 56.3956, 40.4342,
55.3323


■ 61.5452, 48.5612,
63.7453

■ 67.6466, 58.4229,
72.9960

 74.7486, 70.1137,
83.1115

 82.8970, 83.7214,
94.1178

 91.6174, 98.2940,
105.8670

 92.1678, 98.5142,
108.7651

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.9154, 25.3707, 71.1476



46.0933, 25.3707, 34.8154



44.3052, 25.3707, 12.5193

Triad

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



46.0933, 25.3707, 34.8154



18.0073, 25.3707, 2.3216



14.8983, 25.3707, 89.8798

Complementary

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



46.0933, 25.3707, 34.8154



40.4115, 69.5903, 39.3247

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.



11.2339, 25.3707, 51.6414



46.0933, 25.3707, 34.8154



12.6865, 25.3707, 6.8830

Square

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



46.0933, 25.3707, 34.8154



26.5092, 25.3707, 1.7334



10.5417, 25.3707, 21.4987



21.8678, 25.3707, 113.7068

Rectangle

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



46.0933, 25.3707, 34.8154



39.5708, 25.3707, 5.6705



10.5417, 25.3707, 21.4987



13.3196, 25.3707, 77.4541

Sweetspot

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



46.0940, 25.3721, 34.8158



74.9563, 66.4569, 81.7186



30.3393, 16.0238, 89.4896



15.4841, 13.3091, 16.6760



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.



46.0940, 25.3721, 34.8158



46.6670, 23.9194, 29.0017



40.8847, 23.2884, 7.3838



16.8637, 16.6283, 19.0289



22.4917, 11.3401, 12.5636



2.0287, 1.0175, 1.3777

Inverse Universe

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



46.0940, 25.3721, 34.8158



46.6670, 23.9194, 29.0017



50.9026, 73.7868, 94.5702



16.8637, 16.6283, 19.0289



22.4917, 11.3401, 12.5636



2.0287, 1.0175, 1.3777

Previews

White Background



This preview shows how the XYZ color 46.0933, 25.3707, 34.8154 looks on a white background.

Color Contrast Check

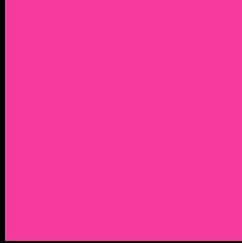
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0933, 25.3707, 34.8154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

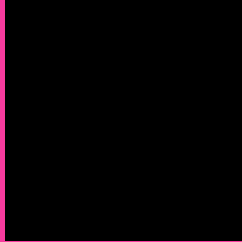
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0933, 25.3707, 34.8154

Background



This preview shows how black text looks on a background with the XYZ color 46.0933, 25.3707, 34.8154.



This preview shows how white text looks on a background with the XYZ color 46.0933, 25.3707,

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

46.0933, 25.3707, 34.8154

Protanopia

27.2471, 25.7722, 64.5112

Deuteranopia

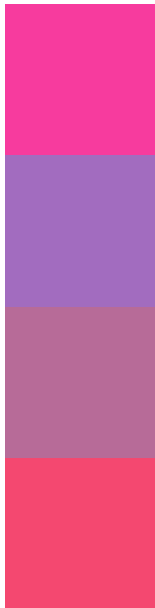
25.9030, 25.3914, 31.5528



Tritanopia

41.1263, 25.2704, 11.3044

Trichromacy



Original Color

46.0933, 25.3707, 34.8154

Protanomaly

29.6668, 22.1681, 52.0055

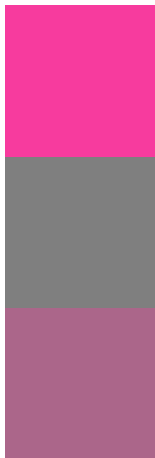
Deuteranomaly

30.4536, 22.8497, 32.5111

Tritanomaly

42.5502, 25.0377, 17.9193

Monochromacy



Original Color

46.0933, 25.3707, 34.8154

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

26.1334, 19.9956, 26.5269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0933, 25.3707, 34.8154 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(247, 59, 158)` looks like.

```
.text, #text, p{  
    color:rgb(247, 59, 158)  
}
```

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(247, 59, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 59, 158) }
```

Border

The CSS property to change the border of an element to XYZ 46.0933, 25.3707, 34.8154 is called "border". The border property can be set on classes, ids or directly on the HTML element.

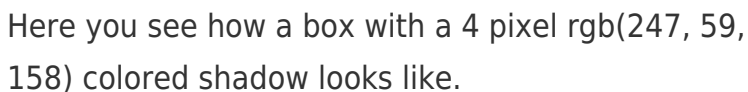
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 59, 158) }
```


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

```
.border{ border-color:rgb(247, 59, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(247, 59, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 59, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 59, 158); box-shadow:4px 4px 4px 4px rgb(247, 59, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0933, 25.3707, 34.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 59, 158) }
```

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

```
.background{ background-color: rgb(247, 59,  
158) }
```

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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