

# Converting Colors

XYZ(47.3978, 25.1439, 34.5082)

Have a look what the booklet for  
XYZ(47.3978, 25.1439, 34.5082)  
contains.

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# Color

**XYZ(47.2548, 25.0408,  
34.6905)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC2D9E
RGB	252, 45, 158
RGB Percent	99%, 18%, 62%
CMY	0.0118, 0.8235, 0.3804
CMYK	0.00, 0.82, 0.37, 0.01
HSL	327°, 97%, 58%
HSV	327°, 82%, 99%
XYZ	47.2548, 25.0408, 34.6905
YIQ	119.7750, 87.0990, 79.0270

# Conversions

## Conversions Part 2

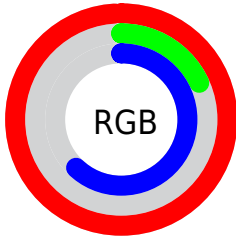
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 45, 158
Decimal	16526750
CIE <sub>Lab</sub>	57.12, 80.95, -10.54
CIE <sub>LCh</sub>	57, 81.632, 352.583
Yxy	25.0408, 0.4417, 0.2341
Android (android.graphics.Color)	4294716830 (0xFFFC2D9E)
YUV	119.7750, 18.8449, 115.9613
Hunter-Lab	50.0408, 80.9908, -6.0739

# Details

The XYZ color **47.2548, 25.0408, 34.6905** 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 **40.5548, 72.0437, 36.2011**, and the grayscale version is **17.7058, 18.6279, 20.2858**.

A 20% lighter version of the original color is **59.3810, 38.3256, 67.2186**, and **23.8890, 12.0087, 14.9687** is the 20% darker color. If you saturate the color by 10%, you get **45.6235, 23.2820, 29.5107**, and if you desaturate by 10%, it is **49.5519, 27.9844, 40.5453**.

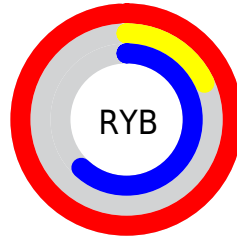
# Distribution



Red (99%)

Green (18%)

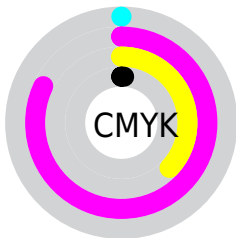
Blue (62%)



Red (99%)

Yellow (18%)

Blue (62%)

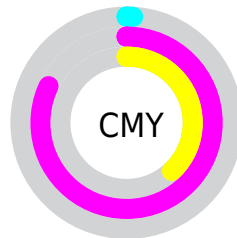


Cyan (0%)

Magenta (82%)

Yellow (37%)

Black (1%)



Cyan (1%)

Magenta (82%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2548, 25.0408, 34.6905 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 47.2548, 25.0408, 34.6905 by changing the saturation by 10% instead.





 47.2548, 25.0408,  
34.6905


 47.2548, 25.0408,  
34.6905


366.4626,  
278.0411, 338.0628


 33.4459, 16.1075,  
23.1429


 85.3103, 51.7234,  
68.1521


 22.6291, 9.6002,  
14.4928


 110.2876, 70.2415,  
90.9033


 14.4391, 5.1347,  
8.3215


 139.7184, 92.7232,  
118.2260

 8.5104, 2.3265,  
4.2107

 173.9681,  
119.5530, 150.5389

 4.4778, 0.7877,  
1.7416

 213.4020,  
151.1153, 188.2605

 1.9758, 0.0000,  
0.3890

258.3855,

 0.6203, 0.0000,

187.7945, 231.8093

0.0000

309.2839,  
229.9750, 281.6039

■ 0.0000, 0.0000,  
0.0000

■ 47.2548, 25.0408,  
34.6905

■ 47.2548, 25.0408,  
34.6905

■ 45.6235, 23.2820,  
29.5107

■ 49.5519, 27.9844,  
40.5453

■ 44.7002, 22.5176,  
25.8669

■ 52.6039, 32.2870,  
47.1160

■ 56.4873, 38.0980,  
54.4396

■ 61.2681, 45.5460,  
62.5493

■ 67.0055, 54.7457,  
71.4753

73.7531, 65.8013,  
81.2459

81.5607, 78.8088,  
91.8875

90.4745, 93.8577,  
103.4254

93.9549, 99.4354,  
108.8487

# Harmonies

## Analogous

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



41.7190, 25.0408, 73.7736



47.2548, 25.0408, 34.6905



45.2871, 25.0408, 11.5635

# Triad

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



47.2548, 25.0408, 34.6905



17.3812, 25.0408, 1.7724



14.2387, 25.0408, 94.6801

# Complementary

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



47.2548, 25.0408, 34.6905



40.5548, 72.0437, 36.2011

# 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.



10.4823, 25.0408, 53.0834



47.2548, 25.0408, 34.6905



11.9260, 25.0408, 6.0837

# Square

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



47.2548, 25.0408, 34.6905



26.2688, 25.0408, 1.2495



9.7679, 25.0408, 20.9831



21.4919, 25.0408, 120.7380



# Rectangle

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



47.2548, 25.0408, 34.6905



40.1806, 25.0408, 4.8351



9.7679, 25.0408, 20.9831



12.6148, 25.0408, 81.1048

# Sweetspot

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



47.2555, 25.0422, 34.6909



73.6595, 64.1244, 80.4813



29.0174, 14.3233, 93.3307



15.2418, 12.8656, 16.4687



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.



47.2555, 25.0422, 34.6909



46.0273, 23.2192, 27.0029



41.7824, 22.8529, 5.8696



17.6410, 17.3838, 19.9653



23.3603, 11.7598, 13.8715



2.2170, 1.1106, 1.5664



# Inverse Universe

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



47.2555, 25.0422, 34.6909



46.0273, 23.2192, 27.0029



51.8680, 76.5689, 95.7753



17.6410, 17.3838, 19.9653



23.3603, 11.7598, 13.8715



2.2170, 1.1106, 1.5664



# Previews

## White Background



This preview shows how the XYZ color 47.2548, 25.0408, 34.6905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

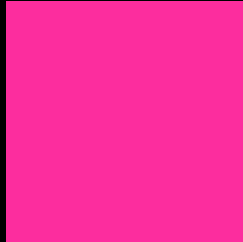
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2548, 25.0408, 34.6905 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 47.2548, 25.0408, 34.6905**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2548, 25.0408, 34.6905.



This preview shows how white text looks on a background with the XYZ color 47.2548, 25.0408,



# 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

47.2548, 25.0408, 34.6905

### Protanopia

27.2518, 25.4635, 69.1243

### Deuteranopia

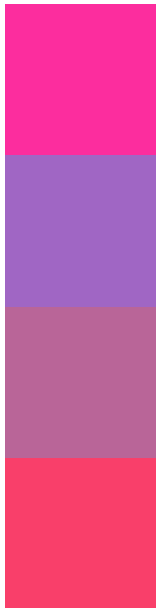
25.5869, 25.0242, 31.4985



## Tritanopia

42.0799, 25.0751, 9.6433

# Trichromacy



## Original Color

47.2548, 25.0408, 34.6905

## Protanomaly

29.2124, 20.9618, 54.7309

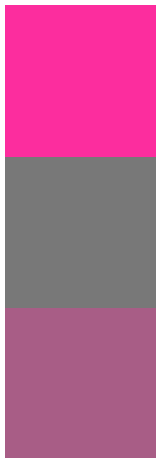
## Deuteranomaly

30.3288, 21.8886, 32.3322

## Tritanomaly

43.4459, 24.7354, 16.1202

# Monochromacy



## Original Color

47.2548, 25.0408, 34.6905

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

24.3659, 17.8748, 24.7202

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2548, 25.0408, 34.6905 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(252, 45, 158)` looks like.

```
.text, #text, p{  
    color:rgb(252, 45, 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(252, 45, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 45, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2548, 25.0408, 34.6905 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(252, 45, 158) }
```



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

```
.border{ border-color:rgb(252, 45, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 45, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 45, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 45, 158);  
box-shadow:4px 4px 4px 4px rgb(252, 45,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2548, 25.0408, 34.6905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 45, 158) }
```

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

```
.background{ background-color: rgb(252, 45,  
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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