

# Converting Colors

XYZ(47.8443, 25.9399, 30.4242)

Have a look what the booklet for  
XYZ(47.8443, 25.9399, 30.4242)  
contains.

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# Color

**XYZ(47.8584, 25.9443,  
30.5023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3594
RGB	255, 53, 148
RGB Percent	100%, 21%, 58%
CMY	0.0000, 0.7921, 0.4196
CMYK	0.00, 0.79, 0.42, 0.00
HSL	332°, 100%, 60%
HSV	332°, 79%, 100%
XYZ	47.8584, 25.9443, 30.5023
YIQ	124.2280, 89.8970, 72.3690

# Conversions

## Conversions Part 2

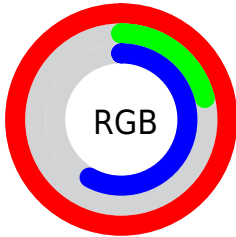
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 53, 148
Decimal	16725396
CIE Lab	57.98, 78.88, -3.31
CIE LCh	58, 78.952, 357.601
Yxy	25.9443, 0.4588, 0.2487
Android (android.graphics.Color)	4294915476 (0xFFFF3594)
YUV	124.2280, 11.7196, 114.6870
Hunter-Lab	50.9355, 78.5791, 0.1496

# Details

The XYZ color **47.8584, 25.9443, 30.5023** 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 **43.5755, 74.8159, 45.4090**, and the grayscale version is **19.1777, 20.1764, 21.9722**.

A 20% lighter version of the original color is **58.6171, 38.9572, 60.3071**, and **23.9428, 12.0883, 12.6266** is the 20% darker color. If you saturate the color by 10%, you get **45.9813, 23.8027, 24.9055**, and if you desaturate by 10%, it is **50.4791, 29.3736, 36.9631**.

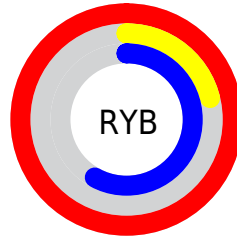
# Distribution



Red (100%)

Green (21%)

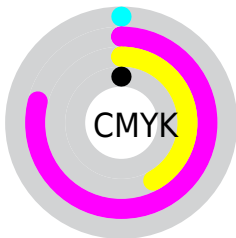
Blue (58%)



Red (100%)

Yellow (21%)

Blue (58%)

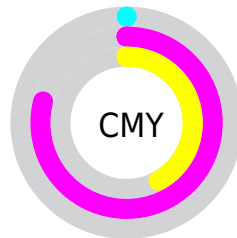


Cyan (0%)

Magenta (79%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (79%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8584, 25.9443, 30.5023 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 47.8584, 25.9443, 30.5023 by changing the saturation by 10% instead.





 47.8584, 25.9443,  
30.5023


 47.8584, 25.9443,  
30.5023


368.8225,  
282.5085, 318.5187


 33.9255, 16.7820,  
19.9649


 86.2045, 53.1851,  
61.5260


 22.9990, 10.0792,  
12.1857


 111.3485, 72.0323,  
82.8494

 14.7135, 5.4515,  
6.7462


 140.9602, 94.8766,  
108.6051

 8.7036, 2.5145,  
3.2279


 175.4050,  
122.1025, 139.2118

 4.6039, 0.8839,  
1.2121

 215.0483,  
154.0942, 175.0880

 2.0491, 0.0000,  
0.0000

260.2554,

 0.6613, 0.0000,

191.2362, 216.6521

0.0000

311.3917,  
233.9128, 264.3229

■ 0.0000, 0.0000,  
0.0000

■ 47.8584, 25.9443,  
30.5023

■ 47.8584, 25.9443,  
30.5023

■ 45.9813, 23.8027,  
24.9055

■ 50.4791, 29.3736,  
36.9631

■ 44.7120, 22.6838,  
20.1057

■ 53.9314, 34.2596,  
44.3366

■ 44.6250, 22.6140,  
19.7554

■ 58.2922, 40.7503,  
52.6679

■ 63.6287, 48.9738,  
61.9976

■ 70.0012, 59.0454,  
72.3635

■ 77.4651, 71.0702,  
83.8011

■ 86.0717, 85.1455,  
96.3438

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.



43.5815, 25.9443, 66.7062



47.8584, 25.9443, 30.5023



44.7120, 25.9443, 10.2496

# Triad

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



47.8584, 25.9443, 30.5023



17.1098, 25.9443, 2.5998



16.0899, 25.9443, 99.7146

# Complementary

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



47.8584, 25.9443, 30.5023



43.5755, 74.8159, 45.4090

# 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.



11.7289, 25.9443, 60.1862



47.8584, 25.9443, 30.5023



12.2024, 25.9443, 8.4339

# Square

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



47.8584, 25.9443, 30.5023



25.4340, 25.9443, 1.5697



10.5133, 25.9443, 26.1094



23.9004, 25.9443, 119.7469



# Rectangle

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



47.8584, 25.9443, 30.5023



39.1857, 25.9443, 4.5210



10.5133, 25.9443, 26.1094



14.2563, 25.9443, 87.3863

# Sweetspot

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



47.8591, 25.9458, 30.5027



73.7500, 65.0597, 78.1861



33.3016, 16.9735, 96.1287



15.2298, 13.0326, 15.8759



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.



47.8591, 25.9458, 30.5027



45.1900, 23.0652, 22.0363



43.3157, 24.3827, 5.7934



18.3649, 18.1293, 20.5389



23.3916, 11.8459, 10.7124



2.3322, 1.1753, 1.3308



# Inverse Universe

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



47.8591, 25.9458, 30.5027



45.1900, 23.0652, 22.0363



54.2144, 77.3681, 106.6838



18.3649, 18.1293, 20.5389



23.3916, 11.8459, 10.7124



2.3322, 1.1753, 1.3308



# Previews

## White Background



This preview shows how the XYZ color 47.8584, 25.9443, 30.5023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

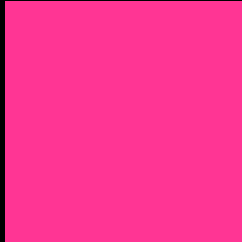
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8584, 25.9443, 30.5023 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 47.8584, 25.9443, 30.5023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8584, 25.9443, 30.5023.



This preview shows how white text looks on a background with the XYZ color 47.8584, 25.9443,



# 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

47.8584, 25.9443, 30.5023

### Protanopia

27.2595, 26.3402, 58.2910

### Deuteranopia

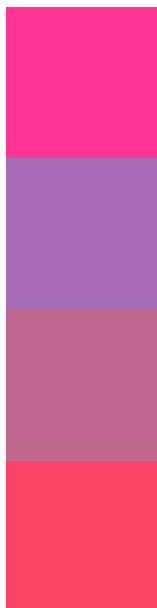
26.5778, 26.0329, 27.6688



## Tritanopia

43.6076, 25.9568, 9.9195

# Trichromacy



## Original Color

47.8584, 25.9443, 30.5023

## Protanomaly

29.9604, 22.2866, 46.4387

## Deuteranomaly

31.4199, 23.1325, 28.4002

## Tritanomaly

44.5413, 25.5711, 15.4201

# Monochromacy



## Original Color

47.8584, 25.9443, 30.5023

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

25.6146, 19.1995, 24.5461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8584, 25.9443, 30.5023 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, 53, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 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, 53, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8584, 25.9443, 30.5023 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, 53, 148) }
```



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

```
.border{ border-color:rgb(255, 53, 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, 53, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8584, 25.9443, 30.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 148) }
```

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

```
.background{ background-color: rgb(255, 53,  
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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