

# Converting Colors

XYZ(47.9397, 27.8534, 25.1453)

Have a look what the booklet for  
XYZ(47.9397, 27.8534, 25.1453)  
contains.

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# Color

**XYZ(47.9224, 27.8510,  
25.0403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4A85
RGB	255, 74, 133
RGB Percent	100%, 29%, 52%
CMY	0.0000, 0.7098, 0.4784
CMYK	0.00, 0.71, 0.48, 0.00
HSL	340°, 100%, 65%
HSV	340°, 71%, 100%
XYZ	47.9224, 27.8510, 25.0403
YIQ	134.8450, 88.9370, 56.7210

# Conversions

## Conversions Part 2

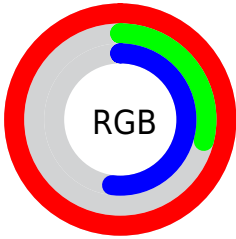
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 74, 133
Decimal	16730757
CIE <sub>Lab</sub>	59.75, 71.43, 8.08
CIE <sub>LCh</sub>	60, 71.887, 6.451
Yxy	27.8510, 0.4754, 0.2763
Android (android.graphics.Color)	4294920837 (0xFFFF4A85)
YUV	134.8450, -0.9096, 105.3759
Hunter-Lab	52.7740, 69.7355, 8.8098

# Details

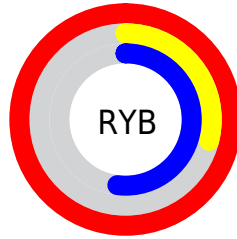
The XYZ color **47.9224, 27.8510, 25.0403** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **48.5499, 76.9621, 64.5275**, and the grayscale version is **22.9536, 24.1490, 26.2983**.

A 20% lighter version of the original color is **58.7669, 42.1331, 51.4895**, and **23.3385, 11.8466, 9.4440** is the 20% darker color. If you saturate the color by 10%, you get **45.4593, 24.6725, 18.8319**, and if you desaturate by 10%, it is **51.2707, 32.4891, 32.5030**.

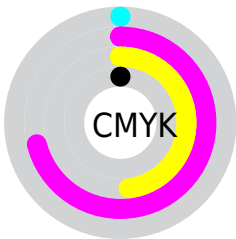
# Distribution



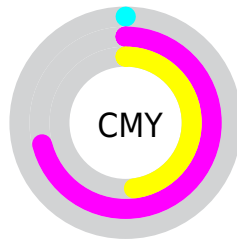
- Red (100%)
- Green (29%)
- Blue (52%)



- Red (100%)
- Yellow (29%)
- Blue (52%)



- Cyan (0%)
- Magenta (71%)
- Yellow (48%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9224, 27.8510, 25.0403 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 47.9224, 27.8510, 25.0403 by changing the saturation by 10% instead.





 47.9224, 27.8510,  
25.0403


 47.9224, 27.8510,  
25.0403

369.0722,  
291.7543, 291.4927


 33.9764, 18.2134,  
15.8878


 86.2992, 56.2465,  
52.6875


 23.0383, 11.1033,  
9.2913


 111.4608, 75.7731,  
72.0193

 14.7426, 6.1363,  
4.8323


 141.0917, 99.3648,  
95.5813

 8.7241, 2.9282,  
2.0922

 175.5571,  
127.4061, 123.7920

 4.6173, 1.0943,  
0.6111

215.2226,  
160.2813, 157.0699

 2.0570, 0.0000,  
0.0000

260.4533,

 0.6657, 0.0000,

198.3748, 195.8337

0.0000

311.6147,  
242.0710, 240.5017

■ 0.0000, 0.0000,  
0.0000

■ 47.9224, 27.8510,  
25.0403

■ 47.9224, 27.8510,  
25.0403

■ 45.4593, 24.6725,  
18.8319

■ 51.2707, 32.4891,  
32.5030

■ 43.7806, 22.7669,  
13.7970


■ 55.5851, 38.7342,  
41.2896


■ 42.8055, 21.8862,  
10.1744

■ 60.9394, 46.7209,  
51.4659

■ 67.3993, 56.5680,  
63.0922

■ 75.0250, 68.3838,  
76.2250

 83.8720, 82.2685,  
90.9177

 93.9923, 98.3151,  
107.2210

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



45.9515, 27.8510, 55.0528



47.9224, 27.8510, 25.0403



43.1725, 27.8510, 9.2435

# Triad

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



47.9224, 27.8510, 25.0403



17.3834, 27.8510, 5.2483



20.0825, 27.8510, 103.2823

# Complementary

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



47.9224, 27.8510, 25.0403



48.5499, 76.9621, 64.5275

# 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.



14.7516, 27.8510, 70.8629



47.9224, 27.8510, 25.0403



13.4610, 27.8510, 14.3960

# Square

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



47.9224, 27.8510, 25.0403



24.5555, 27.8510, 2.8207



12.6219, 27.8510, 36.3054



28.4847, 27.8510, 112.2528



# Rectangle

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



47.9224, 27.8510, 25.0403



37.3574, 27.8510, 4.8095



12.6219, 27.8510, 36.3054



17.9370, 27.8510, 94.1246

# Sweetspot

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



47.9231, 27.8526, 25.0408



75.0052, 68.3528, 76.1913



42.9201, 23.6774, 96.9155



15.5780, 13.8889, 15.4992



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.



47.9231, 27.8526, 25.0408



44.6958, 23.7641, 16.6694



47.4444, 31.6907, 10.0970



18.2534, 18.0847, 19.9517



22.4275, 11.4603, 5.6355



2.2314, 1.1349, 0.8002



# Inverse Universe

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



47.9231, 27.8526, 25.0408



44.6958, 23.7641, 16.6694



47.7555, 62.4376, 104.1421



18.2534, 18.0847, 19.9517



22.4275, 11.4603, 5.6355



2.2314, 1.1349, 0.8002



# Previews

## White Background



This preview shows how the XYZ color 47.9224, 27.8510, 25.0403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

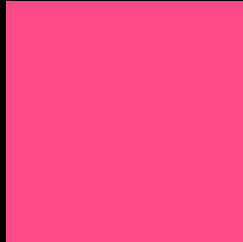
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9224, 27.8510, 25.0403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

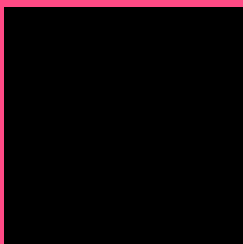
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.9224, 27.8510, 25.0403**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9224, 27.8510, 25.0403.



This preview shows how white text looks on a background with the XYZ color 47.9224, 27.8510,



# 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

47.9224, 27.8510, 25.0403

### Protanopia

27.7501, 28.0268, 42.9768

### Deuteranopia

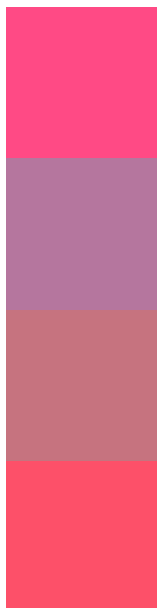
28.3878, 27.9198, 22.9616



## Tritanopia

45.1184, 27.7574, 12.4309

# Trichromacy



## Original Color

47.9224, 27.8510, 25.0403

## Protanomaly

31.7060, 25.2492, 35.5503

## Deuteranomaly

33.2502, 25.7995, 23.3060

## Tritanomaly

45.9265, 27.6399, 16.2790

# Monochromacy



## Original Color

47.9224, 27.8510, 25.0403

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

28.7986, 23.1152, 25.4981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9224, 27.8510, 25.0403 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, 74, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 133)  
}
```

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, 74, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9224, 27.8510, 25.0403 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, 74, 133) }
```



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

```
.border{ border-color:rgb(255, 74, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 74, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9224, 27.8510, 25.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 133) }
```

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

```
.background{ background-color: rgb(255, 74,  
133) }
```

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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