

# Converting Colors

XYZ(47.8606, 28.3883, 22.9820)

Have a look what the booklet for  
XYZ(47.8606, 28.3883, 22.9820)  
contains.

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# Color

**XYZ(47.8667, 28.3843,  
23.0345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4F7F
RGB	255, 79, 127
RGB Percent	100%, 31%, 50%
CMY	0.0000, 0.6901, 0.5020
CMYK	0.00, 0.69, 0.50, 0.00
HSL	344°, 100%, 65%
HSV	344°, 69%, 100%
XYZ	47.8667, 28.3843, 23.0345
YIQ	137.0960, 89.4880, 52.2400

# Conversions

## Conversions Part 2

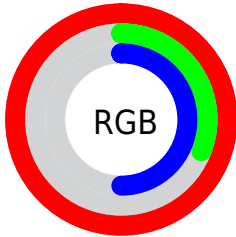
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 79, 127
Decimal	16732031
CIE <sub>Lab</sub>	60.23, 69.21, 12.27
CIE <sub>LCh</sub>	60, 70.286, 10.052
Yxy	28.3843, 0.4821, 0.2859
Android (android.graphics.Color)	4294922111 (0xFFFF4F7F)
YUV	137.0960, -4.9773, 103.4018
Hunter-Lab	53.2769, 67.1389, 11.6596

# Details

The XYZ color **47.8667, 28.3843, 23.0345** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle washed rose. A complement of this color would be **50.2491, 77.6879, 71.3854**, and the grayscale version is **23.8104, 25.0504, 27.2799**.

A 20% lighter version of the original color is **58.6093, 42.9799, 47.8547**, and **23.1134, 11.7565, 8.2588** is the 20% darker color. If you saturate the color by 10%, you get **45.2674, 24.9454, 16.7434**, and if you desaturate by 10%, it is **51.3949, 33.3251, 30.7333**.

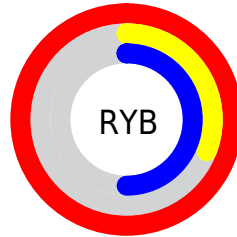
# Distribution



Red (100%)

Green (31%)

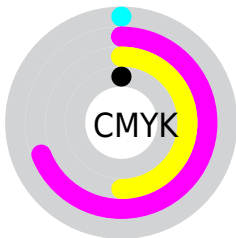
Blue (50%)



Red (100%)

Yellow (31%)

Blue (50%)

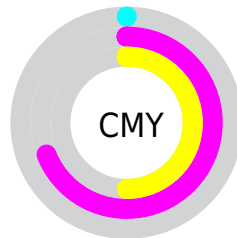


Cyan (0%)

Magenta (69%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (69%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8667, 28.3843, 23.0345 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 47.8667, 28.3843, 23.0345 by changing the saturation by 10% instead.





 47.8667, 28.3843,  
23.0345


 47.8667, 28.3843,  
23.0345


368.8549,  
294.2987, 281.0298

 33.9321, 18.6156,  
14.4134


 86.2168, 57.0974,  
49.3739


 23.0041, 11.3928,  
8.2668


 111.3631, 76.8106,  
67.9293

 14.7173, 6.3317,  
4.1759


 140.9773,  
100.6073, 90.6332

 8.7062, 3.0478,  
1.7223

 175.4248,  
128.8720, 117.9042

 4.6056, 1.1567,  
0.3760

215.0709,  
161.9892, 150.1609

 2.0501, 0.0259,  
0.0000

260.2811,

 0.6619, 0.0000,

200.3430, 187.8216

0.0000

311.4206,  
244.3181, 231.3051

■ 0.0000, 0.0000,  
0.0000

■ 47.8667, 28.3843,  
23.0345

■ 47.8667, 28.3843,  
23.0345

■ 45.2674, 24.9454,  
16.7434

■ 51.3949, 33.3251,  
30.7333

■ 43.4968, 22.8276,  
11.7658

■ 55.9333, 39.9120,  
39.9221

■ 42.4160, 21.7740,  
7.9893

■ 61.5563, 48.2772,  
50.6777

■ 42.3306, 21.6962,  
7.6742

■ 68.3307, 58.5383,  
63.0712

■ 76.3175, 70.8025,  
77.1690

85.5735, 85.1692,  
93.0338

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



46.7428, 28.3843, 51.0943



47.8667, 28.3843, 23.0345



42.5180, 28.3843, 8.7208

# Triad

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



47.8667, 28.3843, 23.0345



17.3015, 28.3843, 6.3692



21.4927, 28.3843, 104.8625

# Complementary

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



47.8667, 28.3843, 23.0345



50.2491, 77.6879, 71.3854

# 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.



15.7782, 28.3843, 75.0466



47.8667, 28.3843, 23.0345



13.7579, 28.3843, 16.8889

# Square

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



47.8667, 28.3843, 23.0345



24.0682, 28.3843, 3.2802



13.2704, 28.3843, 40.3922



30.1143, 28.3843, 109.9406



# Rectangle

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



47.8667, 28.3843, 23.0345



36.5764, 28.3843, 4.7767



13.2704, 28.3843, 40.3922



19.2261, 28.3843, 96.8450

# Sweetspot

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



47.8674, 28.3859, 23.0350



74.6331, 68.2040, 74.2322



46.0612, 25.8122, 97.1618



15.4906, 13.8539, 15.0388



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.



47.8674, 28.3859, 23.0350



44.4687, 23.9541, 14.6080



49.0294, 34.5804, 11.4900



18.2128, 18.0684, 19.7379



22.1720, 11.3581, 4.2903



2.2023, 1.1233, 0.6469



# Inverse Universe

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



47.8674, 28.3859, 23.0350



44.4687, 23.9541, 14.6080



46.0544, 58.4408, 103.4601



18.2128, 18.0684, 19.7379



22.1720, 11.3581, 4.2903



2.2023, 1.1233, 0.6469



# Previews

## White Background



This preview shows how the XYZ color 47.8667, 28.3843, 23.0345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

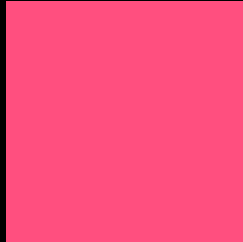
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8667, 28.3843, 23.0345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

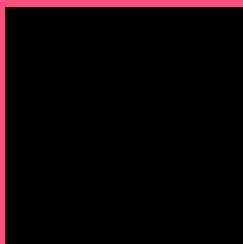
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.8667, 28.3843, 23.0345**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8667, 28.3843, 23.0345.



This preview shows how white text looks on a background with the XYZ color 47.8667, 28.3843,



# 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

47.8667, 28.3843, 23.0345

### Protanopia

27.8225, 28.3948, 38.1968

### Deuteranopia

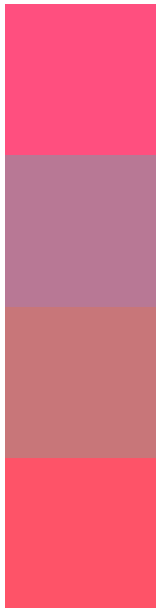
29.0103, 28.4992, 21.1114



## Tritanopia

45.7241, 28.2936, 12.9488

# Trichromacy



## Original Color

47.8667, 28.3843, 23.0345

## Protanomaly

31.9085, 25.7932, 31.7306

## Deuteranomaly

33.7490, 26.6167, 21.4479

## Tritanomaly

46.4650, 28.2568, 16.1018

# Monochromacy



## Original Color

47.8667, 28.3843, 23.0345

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

29.3014, 23.8875, 25.2567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8667, 28.3843, 23.0345 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, 79, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 127)  
}
```

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, 79, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8667, 28.3843, 23.0345 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, 79, 127) }
```



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

```
.border{ border-color:rgb(255, 79, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 79, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8667, 28.3843, 23.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 127) }
```

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

```
.background{ background-color: rgb(255, 79,  
127) }
```

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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