

# Converting Colors

XYZ(47.2045, 27.5433, 32.4784)

Have a look what the booklet for  
XYZ(47.2045, 27.5433, 32.4784)  
contains.

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# Color

**XYZ(47.3189, 27.5756,  
32.5344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F94C98
RGB	249, 76, 152
RGB Percent	98%, 30%, 60%
CMY	0.0235, 0.7019, 0.4039
CMYK	0.00, 0.69, 0.39, 0.02
HSL	334°, 94%, 64%
HSV	334°, 69%, 98%
XYZ	47.3189, 27.5756, 32.5344
YIQ	136.3910, 78.7120, 60.3120

# Conversions

## Conversions Part 2

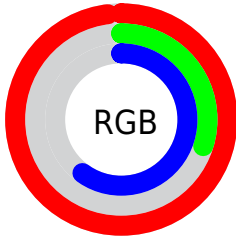
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 76, 152
Decimal	16338072
CIE Lab	59.50, 70.83, -3.53
CIE LCh	60, 70.922, 357.147
Yxy	27.5756, 0.4405, 0.2567
Android (android.graphics.Color)	4294528152 (0xFFFF94C98)
YUV	136.3910, 7.6952, 98.7581
Hunter-Lab	52.5125, 68.9492, 0.0253

# Details

The XYZ color **47.3189, 27.5756, 32.5344** 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 **44.4008, 72.3059, 51.1566**, and the grayscale version is **23.5012, 24.7251, 26.9257**.

A 20% lighter version of the original color is **61.1847, 43.3246, 63.5302**, and **23.0880, 11.6310, 13.3400** is the 20% darker color. If you saturate the color by 10%, you get **44.8459, 24.3532, 26.3963**, and if you desaturate by 10%, it is **50.5915, 32.1815, 39.6036**.

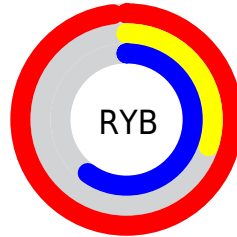
# Distribution



Red (98%)

Green (30%)

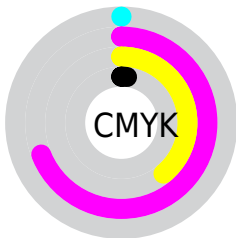
Blue (60%)



Red (98%)

Yellow (30%)

Blue (60%)

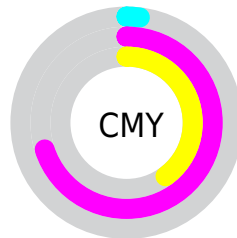


Cyan (0%)

Magenta (69%)

Yellow (39%)

Black (2%)



Cyan (2%)

Magenta (70%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3189, 27.5756, 32.5344 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 47.3189, 27.5756, 32.5344 by changing the saturation by 10% instead.





 47.3189, 27.5756,  
32.5344


 47.3189, 27.5756,  
32.5344


366.7137,  
290.4334, 328.1139

 33.4968, 18.0060,  
21.5018


 85.4053, 55.8062,  
64.7555


 22.6684, 10.9543,  
13.2965


 110.4003, 75.2359,  
86.7812

 14.4682, 6.0361,  
7.4999


 139.8504, 98.7211,  
113.3082

 8.5309, 2.8670,  
3.6935

 174.1209,  
126.6462, 144.7553

 4.4911, 1.0627,  
1.4588

213.5771,  
159.3956, 181.5408

 1.9836, 0.0000,  
0.1869

258.5844,

 0.6247, 0.0000,

197.3536, 224.0834

0.0000

309.5081,  
240.9048, 272.8016

■ 0.0000, 0.0000,  
0.0000

■ 47.3189, 27.5756,  
32.5344

■ 47.3189, 27.5756,  
32.5344

■ 44.8459, 24.3532,  
26.3963

■ 50.5915, 32.1815,  
39.6036

■ 43.0840, 22.3451,  
21.1364

■ 54.7342, 38.3053,  
47.6486


■ 41.9019, 21.2965,  
16.6867


■ 59.8119, 46.0699,  
56.7122


■ 41.8478, 21.2521,  
16.4718

■ 65.8826, 55.5845,  
66.8335

■ 72.9992, 66.9490,  
78.0493

 81.2106, 80.2554,  
90.3945

 90.5629, 95.5897,  
103.9022

 92.8770, 98.8798,  
108.7983

# Harmonies

## Analogous

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



43.4005, 27.5756, 65.2901



47.3189, 27.5756, 32.5344



44.6052, 27.5756, 12.7387

# Triad

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



47.3189, 27.5756, 32.5344



19.1430, 27.5756, 4.1061



17.9698, 27.5756, 92.9968

# Complementary

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



47.3189, 27.5756, 32.5344



44.4008, 72.3059, 51.1566

# 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.



13.7279, 27.5756, 58.4438



47.3189, 27.5756, 32.5344



14.2895, 27.5756, 10.4963

# Square

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



47.3189, 27.5756, 32.5344



27.0719, 27.5756, 2.8444



12.5505, 27.5756, 27.6483



25.3662, 27.5756, 110.5452



# Rectangle

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



47.3189, 27.5756, 32.5344



39.6763, 27.5756, 6.5049



12.5505, 27.5756, 27.6483



16.1978, 27.5756, 82.2833

# Sweetspot

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



47.3197, 27.5771, 32.5349



75.8187, 68.6782, 80.4751



36.5124, 20.6852, 91.6909



15.7700, 13.9657, 16.5100



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.



47.3197, 27.5771, 32.5349



46.5836, 24.8001, 25.7446



43.5936, 27.1053, 9.7736



17.5613, 17.3519, 19.5457



22.4691, 11.4033, 9.1784



2.1333, 1.0771, 1.1253



# Inverse Universe

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



47.3197, 27.5771, 32.5349



46.5836, 24.8001, 25.7446



51.3436, 70.9033, 100.6023



17.5613, 17.3519, 19.5457



22.4691, 11.4033, 9.1784



2.1333, 1.0771, 1.1253



# Previews

## White Background



This preview shows how the XYZ color 47.3189, 27.5756, 32.5344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

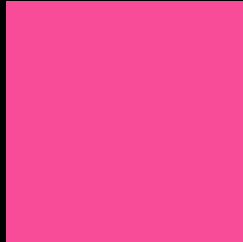
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3189, 27.5756, 32.5344 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 47.3189, 27.5756, 32.5344**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3189, 27.5756, 32.5344.



This preview shows how white text looks on a background with the XYZ color 47.3189, 27.5756,

32.5344.

# 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

47.3189, 27.5756, 32.5344

### Protanopia

28.4639, 27.9082, 54.9255

### Deuteranopia

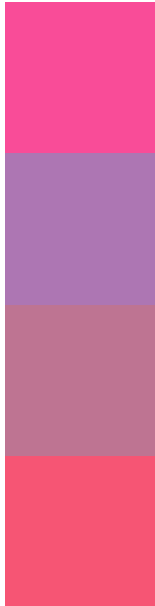
28.0952, 27.6165, 29.8363



## Tritanopia

43.3779, 27.5510, 13.8581

# Trichromacy



## Original Color

47.3189, 27.5756, 32.5344

## Protanomaly

31.8487, 25.0958, 45.8132

## Deuteranomaly

32.6689, 25.5133, 30.3968

## Tritanomaly

44.4069, 27.3508, 19.4617

# Monochromacy



## Original Color

47.3189, 27.5756, 32.5344

## Achromatopsia

23.4014, 24.6201, 26.8113

## Achromatomaly

29.0313, 23.3347, 28.5651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3189, 27.5756, 32.5344 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(249, 76, 152)` looks like.

```
.text, #text, p{  
    color:rgb(249, 76, 152)  
}
```

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(249, 76, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 76, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3189, 27.5756, 32.5344 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(249, 76, 152) }
```



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

```
.border{ border-color:rgb(249, 76, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 76, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 76, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 76, 152);  
box-shadow:4px 4px 4px 4px rgb(249, 76,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3189, 27.5756, 32.5344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 76, 152) }
```

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

```
.background{ background-color: rgb(249, 76,  
152) }
```

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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