

Converting Colors

XYZ(79.4829, 43.3981, 34.5291)

Have a look what the booklet for
XYZ(79.4829, 43.3981, 34.5291)
contains.

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Color

**XYZ(49.0569, 27.6942,
32.8969)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4499
RGB	255, 68, 153
RGB Percent	100%, 27%, 60%
CMY	0.0000, 0.7333, 0.4000
CMYK	0.00, 0.73, 0.40, 0.00
HSL	333°, 100%, 63%
HSV	333°, 73%, 100%
XYZ	49.0569, 27.6942, 32.8969
YIQ	133.6030, 84.1670, 66.0790

Conversions

Conversions Part 2

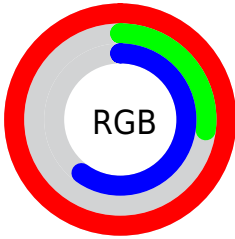
Format	Color
R _Y B	255, 68, 153
Decimal	16729241
CIE Lab	59.61, 75.16, -3.84
CIE LCh	60, 75.260, 357.077
Yxy	27.6942, 0.4474, 0.2526
Android (android.graphics.Color)	4294919321 (0xFFFF4499)
YUV	133.6030, 9.5627, 106.4652
Hunter-Lab	52.6253, 74.3022, -0.2254

Details

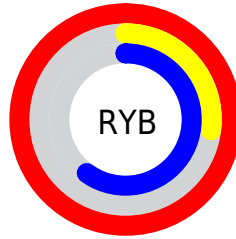
The XYZ color **49.0569, 27.6942, 32.8969** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.4017, 75.6521, 50.2459**, and the grayscale version is **22.4610, 23.6307, 25.7338**.

A 20% lighter version of the original color is **60.4851, 41.7303, 63.8983**, and **24.3906, 12.2968, 13.6584** is the 20% darker color. If you saturate the color by 10%, you get **46.7530, 24.8193, 26.7872**, and if you desaturate by 10%, it is **52.1663, 31.9658, 39.9364**.

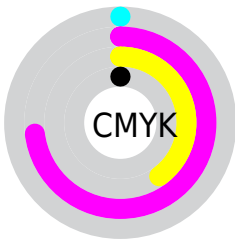
Distribution



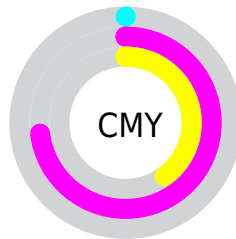
- Red (100%)
- Green (27%)
- Blue (60%)



- Red (100%)
- Yellow (27%)
- Blue (60%)



- Cyan (0%)
- Magenta (73%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0569, 27.6942, 32.8969 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 49.0569, 27.6942, 32.8969 by changing the saturation by 10% instead.


 49.0569, 27.6942,
32.8969


 49.0569, 27.6942,
32.8969


373.4795,
291.0028, 329.8027


 34.8793, 18.0953,
21.7770

 87.9762, 55.9958,
65.3287


 23.7360, 11.0184,
13.4964


 113.4486, 75.4674,
87.4777


 15.2616, 6.0792,
7.6365


 143.4167, 98.9985,
114.1401

 9.0907, 2.8933,
3.7788

 178.2458,
126.9737, 145.7345

 4.8580, 1.0763,
1.5048

 218.3013,
159.7773, 182.6794

 2.1981, 0.0000,
0.2215

263.9485,

 0.7417, 0.0000,

197.7938, 225.3934

0.0000

315.5528,
241.4075, 274.2949

■ 0.0000, 0.0000,
0.0000

■ 49.0569, 27.6942,
32.8969

■ 49.0569, 27.6942,
32.8969

■ 46.7530, 24.8193,
26.7872

■ 52.1663, 31.9658,
39.9364

■ 45.1538, 23.1466,
21.5504

■ 56.1604, 37.7856,
47.9529

■ 44.3865, 22.5186,
18.4996

■ 61.1110, 45.2902,
56.9911

■ 67.0813, 54.6000,
67.0917

■ 74.1290, 65.8240,
78.2929

82.3072, 79.0627,
90.6306

91.6655, 94.4095,
104.1389

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



44.7879, 27.6942, 68.3771



49.0569, 27.6942, 32.8969



46.1264, 27.6942, 12.0821

Triad

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



49.0569, 27.6942, 32.8969



18.8640, 27.6942, 3.4608



17.6032, 27.6942, 98.6658

Complementary

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



49.0569, 27.6942, 32.8969



45.4017, 75.6521, 50.2459

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.



13.1955, 27.6942, 60.7198



49.0569, 27.6942, 32.8969



13.7911, 27.6942, 9.7443

Square

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



49.0569, 27.6942, 32.8969



27.2635, 27.6942, 2.2895



11.9880, 27.6942, 27.5685



25.4034, 27.6942, 118.1610

Rectangle

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



49.0569, 27.6942, 32.8969



40.7964, 27.6942, 5.8005



11.9880, 27.6942, 27.5685



15.7545, 27.6942, 86.8410

Sweetspot

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



49.0577, 27.6957, 32.8974



75.1490, 67.4643, 79.8655



36.2109, 19.6521, 96.4923



15.6438, 13.7314, 16.4119



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.



49.0577, 27.6957, 32.8974



45.9251, 23.9014, 24.2357



44.7490, 26.6080, 8.2483



18.3527, 18.1244, 20.4743



23.2660, 11.7957, 10.0513



2.3196, 1.1702, 1.2644

Inverse Universe

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



49.0577, 27.6957, 32.8974



45.9251, 23.9014, 24.2357



54.2385, 76.0568, 106.4294



18.3527, 18.1244, 20.4743



23.2660, 11.7957, 10.0513



2.3196, 1.1702, 1.2644

Previews

White Background



This preview shows how the XYZ color 49.0569, 27.6942, 32.8969 looks on a white background.

Color Contrast Check

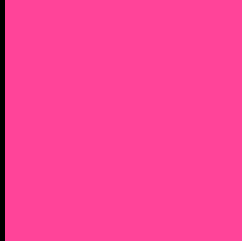
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0569, 27.6942, 32.8969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

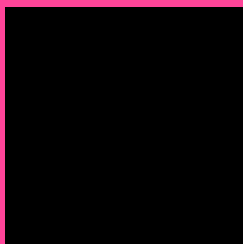
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.0569, 27.6942, 32.8969

Background



This preview shows how black text looks on a background with the XYZ color 49.0569, 27.6942, 32.8969.



This preview shows how white text looks on a background with the XYZ color 49.0569, 27.6942,

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

49.0569, 27.6942, 32.8969

Protanopia

28.7025, 27.9518, 58.5260

Deuteranopia

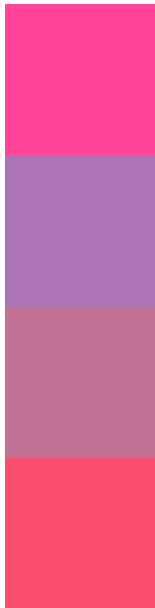
28.3672, 27.7480, 30.2463



Tritanopia

44.8353, 27.7275, 12.4401

Trichromacy



Original Color

49.0569, 27.6942, 32.8969

Protanomaly

31.9116, 24.5646, 47.8593

Deuteranomaly

33.1639, 25.2543, 30.7304

Tritanomaly

45.8655, 27.4573, 18.2116

Monochromacy



Original Color

49.0569, 27.6942, 32.8969

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

28.7437, 22.5399, 28.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0569, 27.6942, 32.8969 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, 68, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 153)  
}
```

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, 68, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 153) }
```

Border

The CSS property to change the border of an element to XYZ 49.0569, 27.6942, 32.8969 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, 68, 153) }
```


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

```
.border{ border-color:rgb(255, 68, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 68, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0569, 27.6942, 32.8969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 153) }
```

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

```
.background{ background-color: rgb(255, 68,  
153) }
```

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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