

# Converting Colors

XYZ(49.3313, 29.1120, 30.3093)

Have a look what the booklet for  
XYZ(49.3313, 29.1120, 30.3093)  
contains.

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# Color

**XYZ(49.2970, 29.0726,  
30.2075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5092
RGB	255, 80, 146
RGB Percent	100%, 31%, 57%
CMY	0.0000, 0.6862, 0.4274
CMYK	0.00, 0.69, 0.43, 0.00
HSL	337°, 100%, 66%
HSV	337°, 69%, 100%
XYZ	49.2970, 29.0726, 30.2075
YIQ	139.8490, 83.1140, 57.6260

# Conversions

## Conversions Part 2

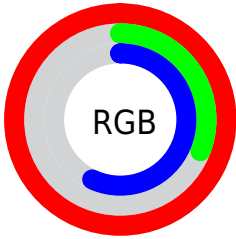
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 80, 146
Decimal	16732306
CIE Lab	60.85, 70.50, 2.05
CIE LCh	61, 70.525, 1.667
Yxy	29.0726, 0.4540, 0.2678
Android (android.graphics.Color)	4294922386 (0xFFFF5092)
YUV	139.8490, 3.0324, 100.9874
Hunter-Lab	53.9190, 68.8405, 4.5268

# Details

The XYZ color **49.2970, 29.0726, 30.2075** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **48.2555, 76.9005, 60.4497**, and the grayscale version is **24.8362, 26.1297, 28.4552**.

A 20% lighter version of the original color is **61.0434, 44.1863, 59.9550**, and **24.1036, 12.1820, 12.1473** is the 20% darker color. If you saturate the color by 10%, you get **46.6202, 25.5609, 23.6369**, and if you desaturate by 10%, it is **52.8550, 34.0720, 37.9193**.

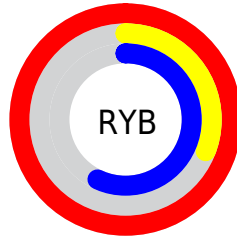
# Distribution



Red (100%)

Green (31%)

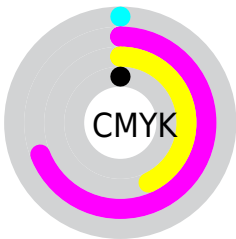
Blue (57%)



Red (100%)

Yellow (31%)

Blue (57%)

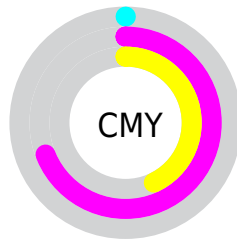


Cyan (0%)

Magenta (69%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (69%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2970, 29.0726, 30.2075 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 49.2970, 29.0726, 30.2075 by changing the saturation by 10% instead.





 49.2970, 29.0726,  
30.2075


 49.2970, 29.0726,  
30.2075


374.4080,  
297.5574, 317.1078


 35.0706, 19.1357,  
19.7428


 88.3305, 58.1924,  
61.0551


 23.8841, 11.7684,  
12.0260


 113.8683, 78.1442,  
82.2749

 15.3719, 6.5862,  
6.6386


 143.9073,  
102.2030, 107.9170

 9.1688, 3.2047,  
3.1621

 178.8129,  
130.7533, 138.3996

 4.9095, 1.2395,  
1.1780

218.9504,  
164.1795, 174.1415

 2.2284, 0.0936,  
0.0000

264.6852,

 0.7577, 0.0000,

202.8660, 215.5612

0.0000

316.3826,  
247.1971, 263.0771

■ 0.0000, 0.0000,  
0.0000

■ 49.2970, 29.0726,  
30.2075

■ 49.2970, 29.0726,  
30.2075

■ 46.6202, 25.5609,  
23.6369

■ 52.8550, 34.0720,  
37.9193

■ 44.7302, 23.3595,  
18.1406

■ 57.3703, 40.7005,  
46.8297


■ 43.4993, 22.2247,  
13.6391

■ 62.9128, 49.0880,  
56.9932

■ 43.3588, 22.1075,  
13.0876

■ 69.5452, 59.3502,  
68.4601

■ 77.3246, 71.5926,  
81.2777

 86.3044, 85.9128,  
95.4906

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.



46.2622, 29.0726, 62.2171



49.2970, 29.0726, 30.2075



45.5421, 29.0726, 11.8426

# Triad

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



49.2970, 29.0726, 30.2075



19.3637, 29.0726, 5.1796



20.0737, 29.0726, 100.2515

# Complementary

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



49.2970, 29.0726, 30.2075



48.2555, 76.9005, 60.4497

# 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.



15.1679, 29.0726, 66.2991



49.2970, 29.0726, 30.2075



14.8264, 29.0726, 13.2146

# Square

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



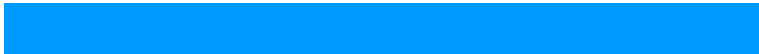
49.2970, 29.0726, 30.2075



27.1224, 29.0726, 3.2433



13.4782, 29.0726, 33.1483



28.1492, 29.0726, 113.8363



# Rectangle

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



49.2970, 29.0726, 30.2075



40.0894, 29.0726, 6.2552



13.4782, 29.0726, 33.1483



18.0673, 29.0726, 90.1679

# Sweetspot

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



49.2978, 29.0742, 30.2080



75.3689, 68.4983, 78.1066



41.6389, 23.6402, 96.9761



15.6637, 13.9232, 15.9505



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.



49.2978, 29.0742, 30.2080



45.8990, 24.6806, 21.6643



47.2865, 31.0356, 11.0896



18.2927, 18.1004, 20.1586



22.7225, 11.5783, 7.1890



2.2634, 1.1477, 0.9686



# Inverse Universe

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



49.2978, 29.0742, 30.2080



45.8990, 24.6806, 21.6643



50.9487, 68.1050, 105.0680



18.2927, 18.1004, 20.1586



22.7225, 11.5783, 7.1890



2.2634, 1.1477, 0.9686



# Previews

## White Background



This preview shows how the XYZ color 49.2970, 29.0726, 30.2075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

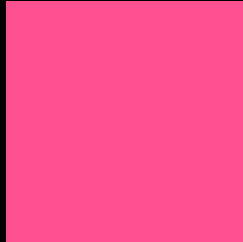
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2970, 29.0726, 30.2075 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 49.2970, 29.0726, 30.2075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2970, 29.0726, 30.2075.



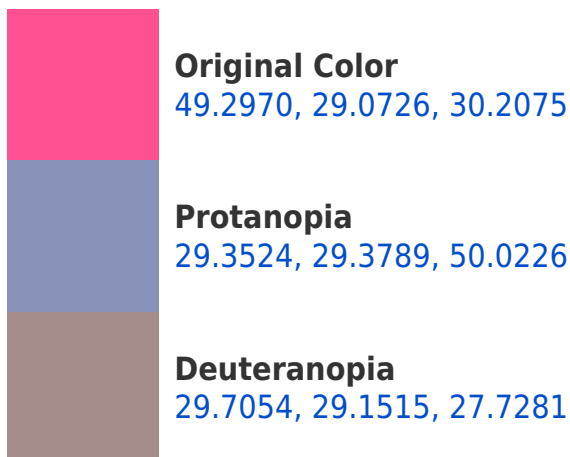
This preview shows how white text looks on a background with the XYZ color 49.2970, 29.0726,



# 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

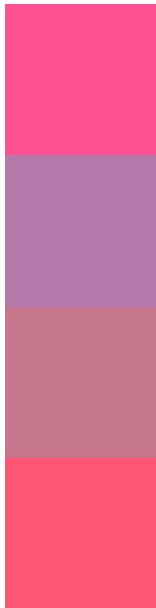




## Tritanopia

46.0436, 29.0407, 14.4879

# Trichromacy



## Original Color

49.2970, 29.0726, 30.2075

## Protanomaly

33.1326, 26.5626, 41.9089

## Deuteranomaly

34.6192, 27.0929, 28.2158

## Tritanomaly

47.0107, 28.9368, 19.3273

# Monochromacy



## Original Color

49.2970, 29.0726, 30.2075

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

30.6523, 24.8549, 28.7731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2970, 29.0726, 30.2075 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, 80, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 146)  
}
```

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, 80, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2970, 29.0726, 30.2075 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, 80, 146) }
```



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

```
.border{ border-color:rgb(255, 80, 146) }
```

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

Here you see how a box with a 4 pixel rgb(255, 80, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2970, 29.0726, 30.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 146) }
```

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

```
.background{ background-color: rgb(255, 80,  
146) }
```

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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